Schneider
AUDIO

Serviceanweisung
Service manual

Ident-Nr. 49619
Ident-Nr. 49560

MIDI 2264
MIDI 2270

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**This service-manual was only made for authorized specialists.
For interventions by not authorized persons SCHNEIDER don't take possession of liability.**

Inhaltsverzeichnis

Seite

Seillaufplan für MIDI 2264/2270 4
Verdrahtungsplan für MIDI 2264 5
Verdrahtungsplan für MIDI 2270 6

Schaltbild MIDI 2264 7
Schaltbild MIDI 2270 8
Schaltbild CD-Hauptplatine MIDI 2264/2270 18

Platinendarstellung Hauptplatine und LED-Platine MIDI 2264 . 9
Platinendarstellung Hauptplatine MIDI 2270 10
Platinendarstellung LCD-Anzeige CD MIDI 2264/2270 11
Platinendarstellung CD-Hauptplatine MIDI 2264/2270 19

Abgleich Tuner MIDI 2264/2270 14–16
Abgleich Cassette MIDI 2264/2270 17
Abgleich CD MIDI 2264/2270 22
Abgleichpunkte CD-Hauptplatine (Bestückungsseite) 21

Ersatzteilliste elektrische Teile MIDI 2264 12
Ersatzteilliste elektrische Teile MIDI 2270 13
Ersatzteilliste CD-Spieler MIDI 2264/2270 26
Ersatzteilliste Gehäuse MIDI 2264 28
Ersatzteilliste Gehäuse MIDI 2270 31
Ersatzteilliste Cassettenmechanik MIDI 2264/2270 28
Ersatzteilliste Plattenspieler MIDI 2264/2270 31

Explosionsdarstellung CD-Mechanik MIDI 2264/2270 26
Explosionsdarstellung Cassettenmechanik MIDI 2264/2270 . 27
Explosionsdarstellung Gehäuse MIDI 2264 30
Explosionsdarstellung Gehäuse MIDI 2270 29

Blockschaltbild CD 20

IC Spannungstabelle CD 23
IC Blockschaltbilder CD 23–24
IC und Transistor Anschlußbelegung CD 25

CD-Spieler 18–26

Table of contents

Page

Dial cord stringing diagram for MIDI 2264/2270 4
Wiring diagram for MIDI 2264 5
Wiring diagram for MIDI 2270 6

Schematic diagram MIDI 2264 7
Schematic diagram MIDI 2270 8
Schematic diagram CD Main PCB MIDI 2264/2270 18

Main PCB and LED PCB MIDI 2264 9
Main PCB MIDI 2270 10
LCD CD PCB MIDI 2264/2270 11
CD Main PCB MIDI 2264/2270 19

Alignment procedure tuner MIDI 2264/2270 14–16
Alignment procedure cassette MIDI 2264/2270 17
Alignment procedure CD MIDI 2264/2270 22
Alignment points CD Main PCB (Top view) 21

Spare parts list electrical parts MIDI 2264 12
Spare parts list electrical parts MIDI 2270 13
Spare parts list CD player MIDI 2264/2270 26
Spare parts list housing MIDI 2264 28
Spare parts list housing MIDI 2270 31
Spare parts list cassette mechanism MIDI 2264/2270 28
Spare parts list player MIDI 2264/2270 31

Exploded view CD player MIDI 2264/2270 26
Exploded view cassette mechanism MIDI 2264/2270 27
Exploded view housing MIDI 2264 30
Exploded view housing MIDI 2270 29

Functional block diagram 20

IC voltage assertions CD 23
IC block diagrams CD 23–24
IC and transistor pin location CD 25

CD player 18–26

WICHTIGER HINWEIS

Der integrierte CD-Spieler arbeitet mit unsichtbarem Laserlicht.

Nicht in den Strahl blicken und nicht dem Strahl aussetzen!

Vorsicht, Laserstrahlung im Inneren des Gerätes!

Zur Vermeidung von Strahlungsschäden darf das Gehäuse nur von qualifiziertem Fachpersonal geöffnet werden.

Informationsetikett auf der Geräterückseite (siehe Bild).

The integrated CD-Player works with invisible laser-light.

Do not look into this beam and don't abandon yourself to radiation.

Attention, laser-radiation also inside of the unit!

To avoid damages of radiation unit should be opened only by qualified service personnel.

Information label on the rear of unit (see picture).

ADVARSEL!

Usynlig laserstrålning ved åbning når sikkerheds afbrydere er ude af funktion. Undgå udsaettelse for strålning.

VAROITUS!

Suojakoteloa ei saa avata. Laite sisältää laserdiodin, joda lähettää näkymäntöntä silmille vaarallista lasersäteilyä.

VARNING!

Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen!

VARO!

Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

LASER KLASSE 1

Laser λ = 780 nm
P_{max} = 0,5 mW

CLASS 1
LASER PRODUCT

Laser λ = 780 nm
P_{max} = 0,5 mW

LUOKAN 1 LASERLAITE

KLASS 1 LASER
APPARAT

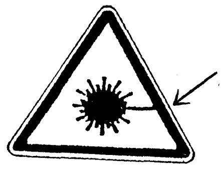
Warnetikett in dem Plattenfach (siehe Bild).

Warning label in record-drawer (see picture).

UNSICHTBARE LASERSTRAHLUNG
NICHT DEM STRAHL AUSSETZEN
LASER KLASSE 3 B

CAUTION
INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.

Advarsel:
Usynlig laserstrålning ved åbning når sikkerheds afbrydere er ude af funktion. Undgå udsa ettelse for strålning.

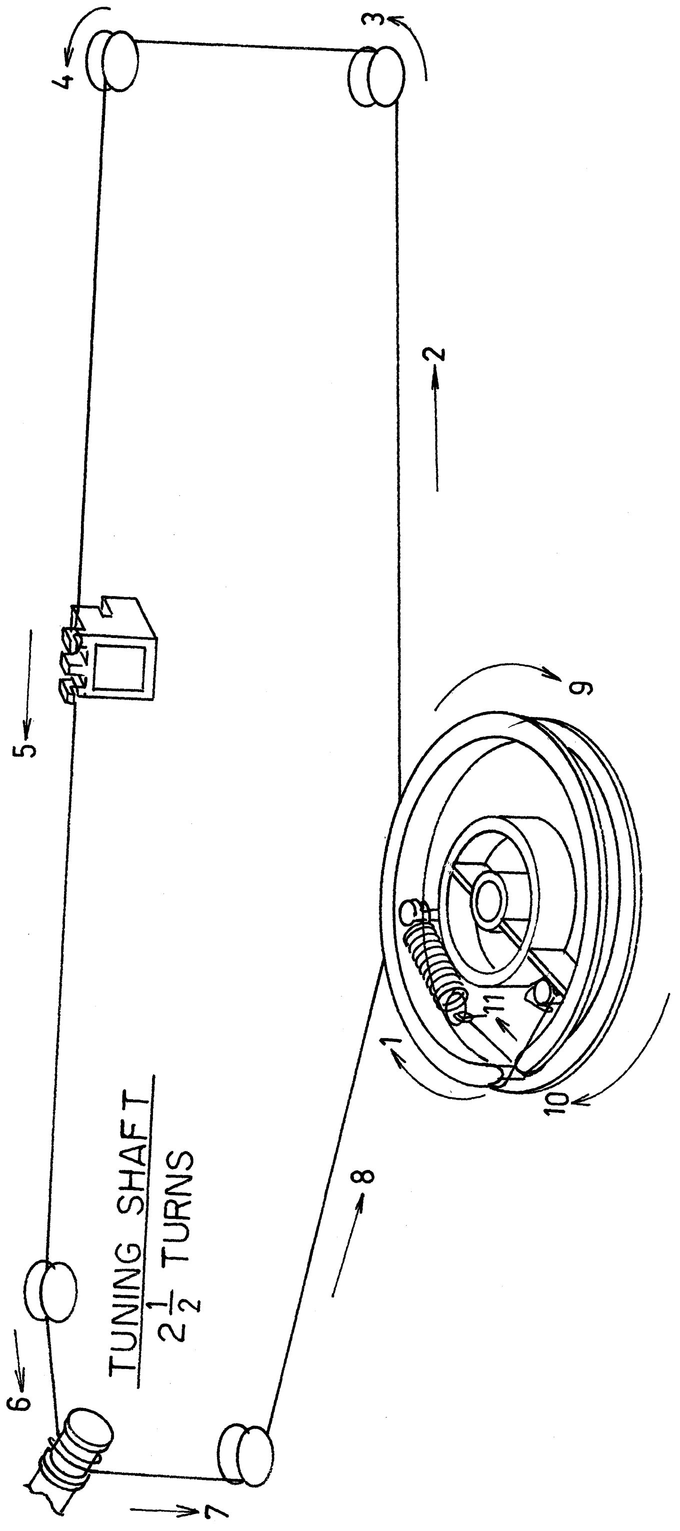


Austrittsöffnung für Laserstrahlung
Discharge orifice for Laser radiation

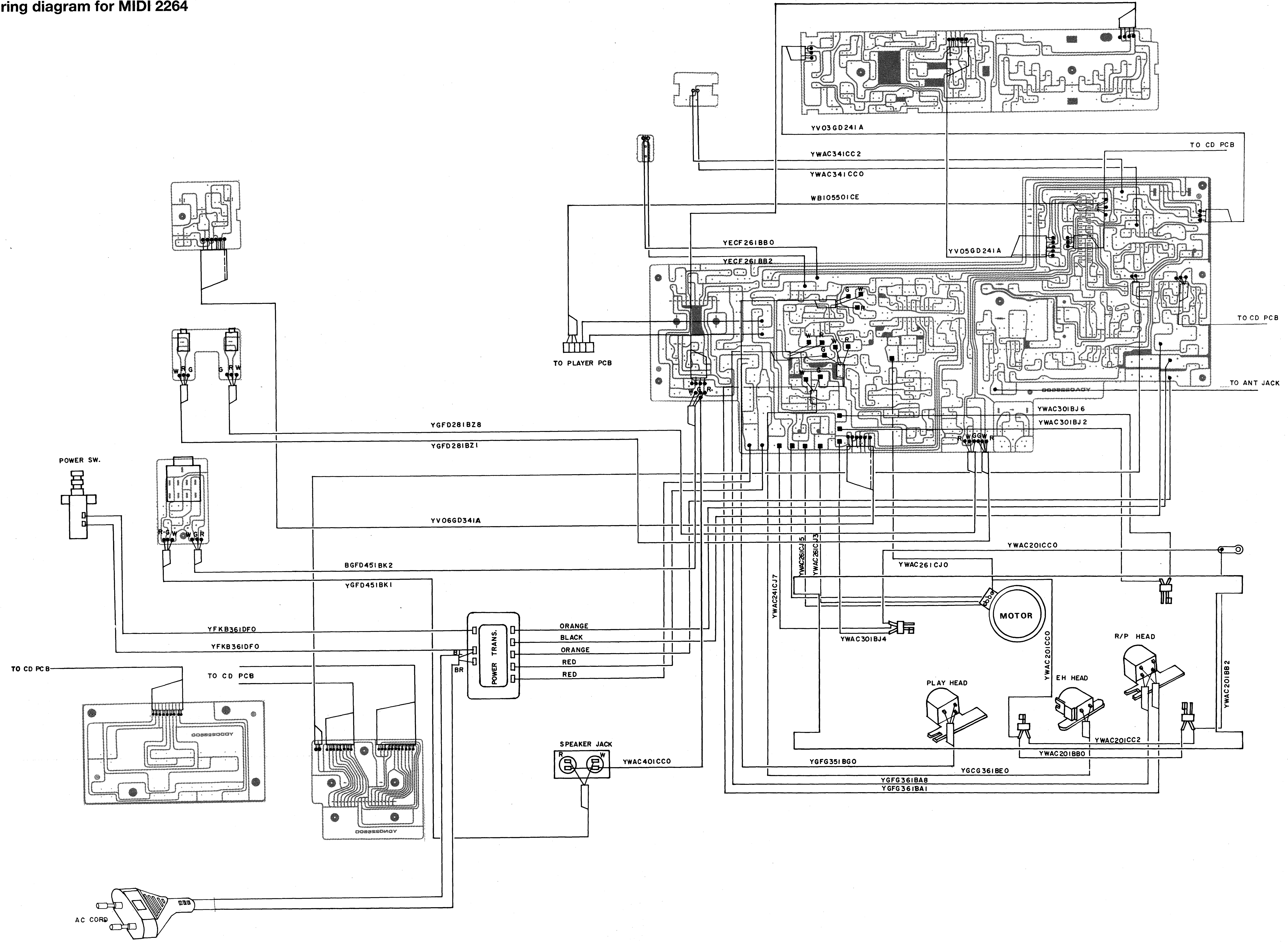
Hinweis für Original-Etikett:
Schrift und Umrandung schwarz, Untergrund gelb.

Indication for original label:
Letters and surrounding black, background yellow.

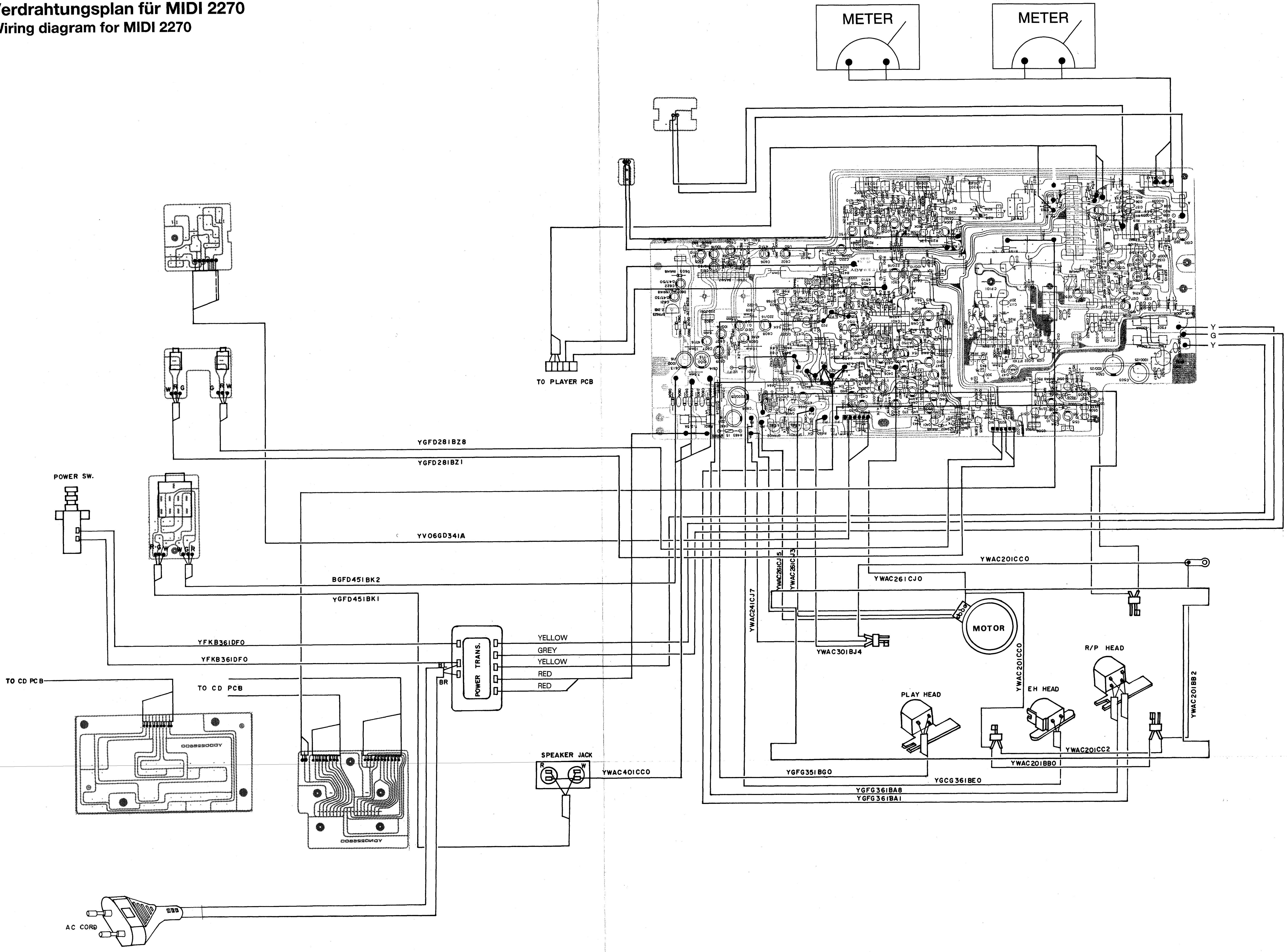
Seillaufplan für MIDI 2264/2270
Dial cord stringing diagram for MIDI 2264/2270



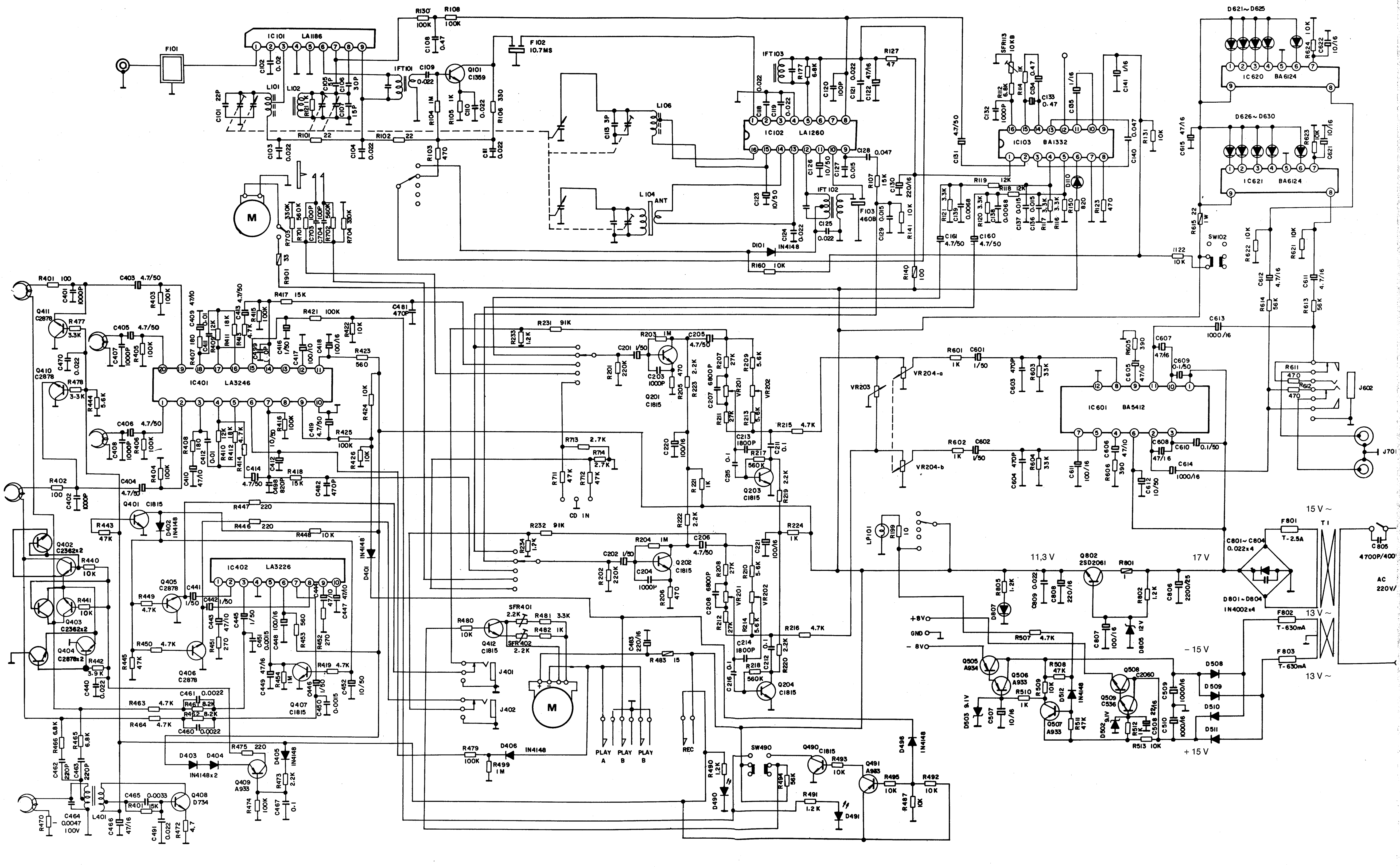
Verdrahtungsplan für MIDI 2264
Wiring diagram for MIDI 2264

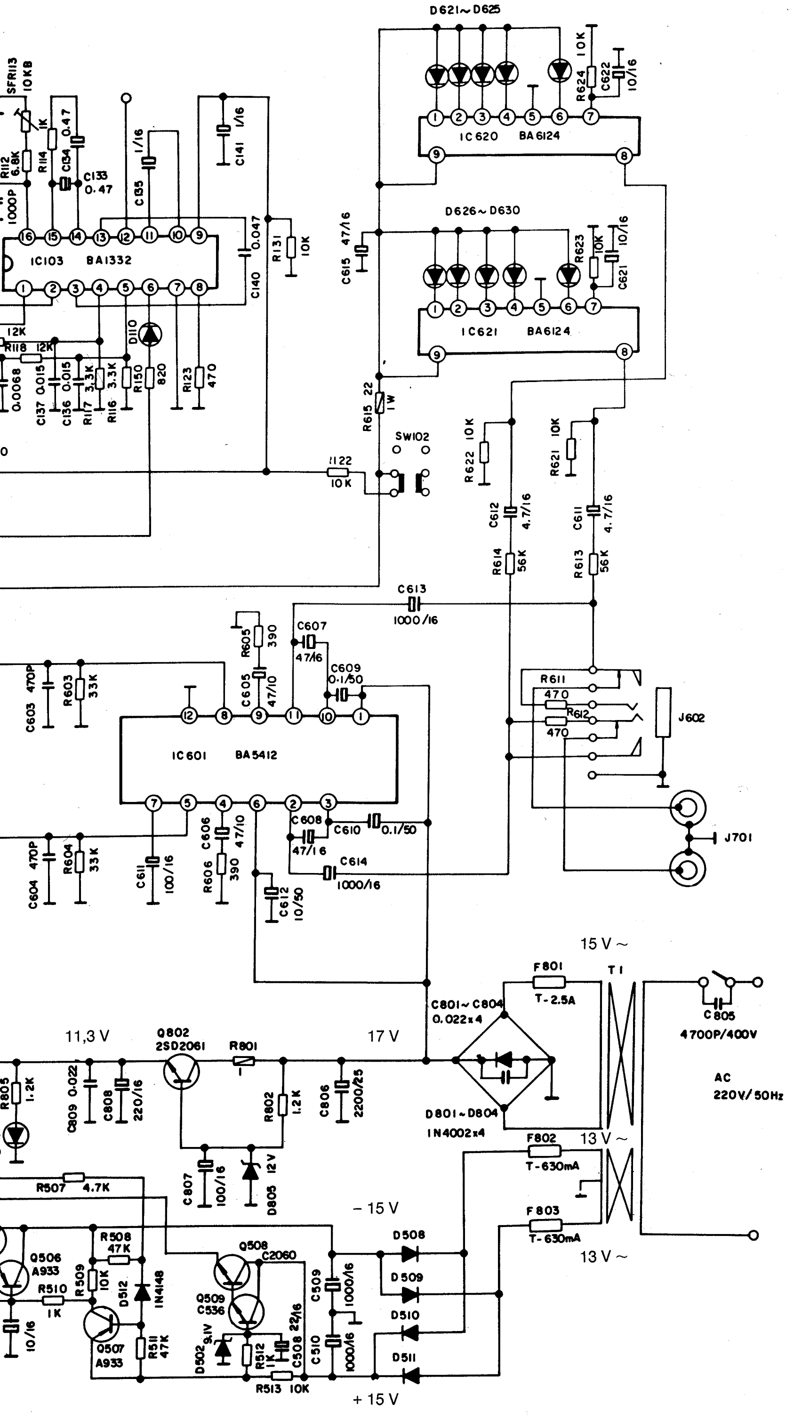

YV04GD261A
YV03GD241A
YWAC341CC2
YWAC341CC0
WB105501CE
TO CD PCB
YECF261BB0
YECF261BB2
YV05GD241A
TO CD PCB
TO PLAYER PCB
TO ANT JACK
YWAC301BJ6
YWAC301BJ2
W R G
G R W
W G R.
R W G G W R
YGFD281BZ8
YGFD281BZ1
POWER SW.
R G W
W G R
YV06GD341A
YWAC201CC0
BGFD451BK2
YGFD451BK1
YWAC261CJ5
YWAC261CJ3
YWAC241CJ7
YWAC261CJ0
MOTOR
YWAC301BJ4
YFKB361DF0
YFKB361DF0
BR
POWER TRANS.
ORANGE
BLACK
ORANGE
RED
RED
TO CD PCB
TO CD PCB
SPEAKER JACK
R
W
YWAC401CC0
R/P HEAD
PLAY HEAD
EH HEAD
YWAC201CC0
YWAC201BB2
YWAC201CC2
YWAC201BB0
YGFG351BG0
YGCG361BE0
YGFG361BA8
YGFG361BA1
AC CORD

Verdrahtungsplan für MIDI 2270
Wiring diagram for MIDI 2270


METER
METER
TO PLAYER PCB
Y
G
Y
W
R
G
G
R
W
YGFD281BZ8
YGFD281BZ1
POWER SW.
R
W
W
R
YV06GD341A
BGFD451BK2
YGFD451BK1
YWAC201CC0
YWAC261CJ0
YWAC241CJ7
YWAC261CJ5
YWAC261CJ3
MOTOR
YWAC301BJ4
YFKB361DF0
YFKB361DF0
YELLOW
GREY
YELLOW
RED
RED
BL
BR
POWER TRANS.
TO CD PCB
TO CD PCB
R/P HEAD
YWAC201CC0
EH HEAD
PLAY HEAD
YWAC201BB2
YWAC201CC2
YWAC201BB0
SPEAKER JACK
R
W
YWAC401CC0
YGFG351BG0
YGCG361BE0
YGFG361BA8
YGFG361BA1
AC CORD

Schaltbild 1 MIDI 2264
Schematic diagram 1 MIDI 2264


IC101 LA1186
IC102 LA1260
IC103 BA1332
IC401 LA3246
IC402 LA3226
IC601 BA5412
IC620 BA6124
IC621 BA6124
D621~D625
D626~D630
F101
F102 10.7MS
F103 4608
IFT101
IFT102
IFT103
L101
L102
L104 ANT
L106
Q101 C1359
Q201 C1815
Q202 C1815
Q203 C1815
Q204 C1815
Q401 C1815
Q402 C2362x2
Q403 C2362x2
Q404 C2878x2
Q405 C2878
Q406 C2878
Q407 C1815
Q408 D734
Q409 A933
Q410 C2878
Q411 C2878
Q412 C1815
Q490 C1815
Q491 A933
Q505 A934
Q506 A933
Q507 A933
Q508 C2060
Q509 C536
Q802 2SD2061
D101 1N4148
D110
D401 1N4148
D402 1N4148
D403 D404 1N4148x2
D405 1N4148
D406 1N4148
D490
D491
D496 1N4148
D502 9.1V
D503 9.1V
D508
D509
D510
D511
D512 1N4148
D805 12V
D807
D801~D804 1N4002x4
C801~C804 0.022x4
F801 T-2.5A
F802 T-630mA
F803 T-630mA
T1
C805 4700P/400V
AC 220V
15 V ~
13 V ~
13 V ~
17 V
11,3 V
-15 V
+15 V
+8V
GND
-8V
R801
R802 1.2K
C806 2200/25
C807 100/16
C808 220/16
C809 0.022
R805 1.2K
R507 4.7K
R508 47K
R509 10K
R510 1K
R511 47K
R512 1K
R513 10K
C507 10/16
C508 22/16
C509 1000/16
C510 1000/16
SW102
SW490
SFR113 10K8
SFR401 2.2K
SFR402 2.2K
R481 3.3K
R482 1K
R483 15
R479 100K
R480 10K
R499 1M
R490 1.2K
R491 1.2K
R492 10K
R493 10K
R494 56K
R495 10K
R497 10K
J401
J402
J602
J701
LP101
R199 10
M
PLAY A
PLAY B
PLAY B
REC
CD IN
VR201
VR202
VR203
VR204-a
VR204-b
R601 1K
R602 1K
C601 1/50
C602 1/50
C603 470P
C604 470P
R603 33K
R604 33K
R605 390
R606 390
C605 47/10
C606 47/10
C607 47/16
C608 47/16
C609 0.1/50
C610 0.1/50
C611 100/16
C612 10/50
C613 1000/16
C614 1000/16
C615 47/16
R611 470
R612 470
R613 56K
R614 56K
R615 22 1W
R621 10K
R622 10K
R623 10K
R624 10K
C621 10/16
C622 10/16
C611 4.7/16
C612 4.7/16
R1122 10K
R130 100K
R108 100K
C108 0.47
C109 0.022
R101 22
R102 22
R103 470
R104 1M
R105 1K
R106 330
C101 22P
C102 0.02
C103 0.022
C104 0.022
C105 30P
C106 15P
C107 15P
C110 0.022
C111 0.022
C113 3P
R127 47
R177 6.8K
C118 0.022
C119 0.022
C120 100P
C121 0.022
C122 47/16
C123 10/50
C124 0.022
C125 0.022
C126 10/50
C127 0.015
C128 0.047
C129 0.015
C130 220/16
C131 4.7/50
C132 1000P
C133 0.47
C134 0.47
C135 1/16
C136 0.0068
C137 0.015
C138 0.0068
C139 0.0068
C140 0.047
C141 1/16
R107 15K
R112 6.8K
R114 1K
R116 3.3K
R117 3.3K
R118 12K
R119 12K
R120 3.3K
R121 3.3K
R123 470
R131 10K
R140 100
R141 10K
R150 820
R160 10K
C160 4.7/50
C161 4.7/50
R701 560K
R702 560K
R703 330K
R704 330K
C703 100P
C704 100P
R901 33
R201 220K
R202 220K
R203 1M
R204 1M
R205 470
R206 470
R207 27K
R208 27K
R209 5.6K
R210 5.6K
R211 27K
R212 27K
R213 5.6K
R214 5.6K
R215 4.7K
R216 4.7K
R217 560K
R218 560K
R219 2.2K
R220 2.2K
R221 1K
R222 2.2K
R223 2.2K
R224 1K
R231 91K
R232 91K
R233 1.2K
R234 1.2K
C201 1/50
C202 1/50
C203 1000P
C204 1000P
C205 4.7/50
C206 4.7/50
C207 6800P
C208 6800P
C211 0.1
C212 0.1
C213 1800P
C214 1800P
C215 0.1
C216 0.1
C220 100/16
C221 100/16
R711 47K
R712 47K
R713 2.7K
R714 2.7K
R401 100
R402 100
R403 100K
R404 100K
R405 100K
R406 100K
R407 180
R408 180
R409 12K
R410 12K
R411 18K
R412 18K
R413 4.7K
R414 4.7K
R415 100K
R416 100K
R417 15K
R418 15K
R421 100K
R422 10K
R423 560
R424 10K
R425 100K
R426 10K
R440 10K
R441 10K
R442 3.9K
R443 47K
R444 5.6K
R445 47K
R446 220
R447 220
R448 10K
R449 4.7K
R450 4.7K
R451 270
R452 270
R453 560
R454 1M
R461 8.2K
R462 8.2K
R463 4.7K
R464 4.7K
R465 6.8K
R466 6.8K
R470
R471 15K
R472 4.7
R473 2.2K
R474 100K
R475 220
R477 3.3K
R478 3.3K
R419 4.7K
C401 1000P
C402 1000P
C403 4.7/50
C404 4.7/50
C405 4.7/50
C406 4.7/50
C407 1000P
C408 1000P
C409 47/10
C410 47/10
C411 0.01
C412 0.01
C413 4.7/50
C414 4.7/50
C416 1/50
C417 100/10
C418 100/16
C419 4.7/50
C440 0.022
C441 1/50
C442 1/50
C443 47/10
C445 1/50
C446 1/50
C447 47/10
C448 100/16
C449 47/16
C450 0.0015
C451 0.0015
C452 10/50
C460 0.0022
C461 0.0022
C462 220P
C463 220P
C464 0.0047 100V
C465 0.0033
C466 47/16
C467 0.1
C470 0.022
C481 470P
C482 470P
C483 220/16
C491 0.022
C498 820P
L401

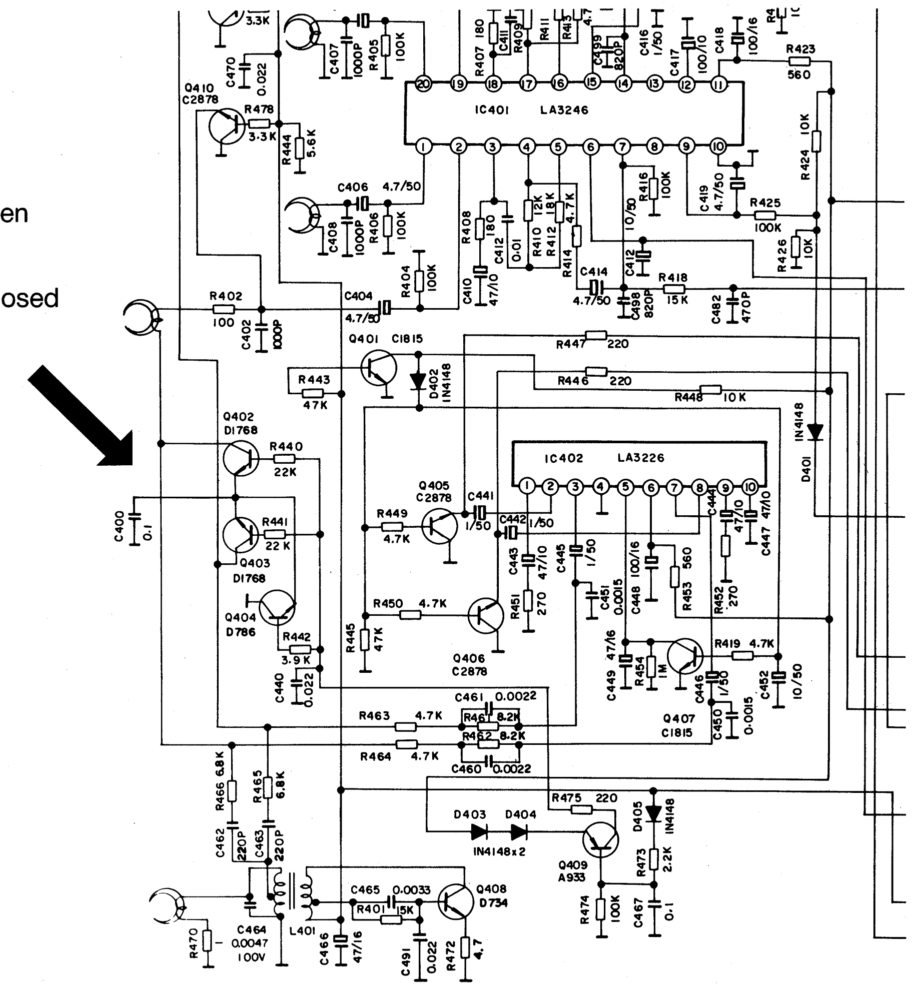

IC103 BA1332
D621~D625
IC620 BA6124
D626~D630
IC621 BA6124
SW102
IC601 BA5412
J602
J701
Q802 2SD2061
R801
11,3 V
17 V
15 V ~
13 V ~
13 V ~
- 15 V
+ 15 V
F801 T-2.5A
F802 T-630mA
F803 T-630mA
T1
C801~C804 0.022x4
D801~D804 1N4002x4
C805 4700P/400V
AC 220V/50Hz
D508
D509
D510
D511

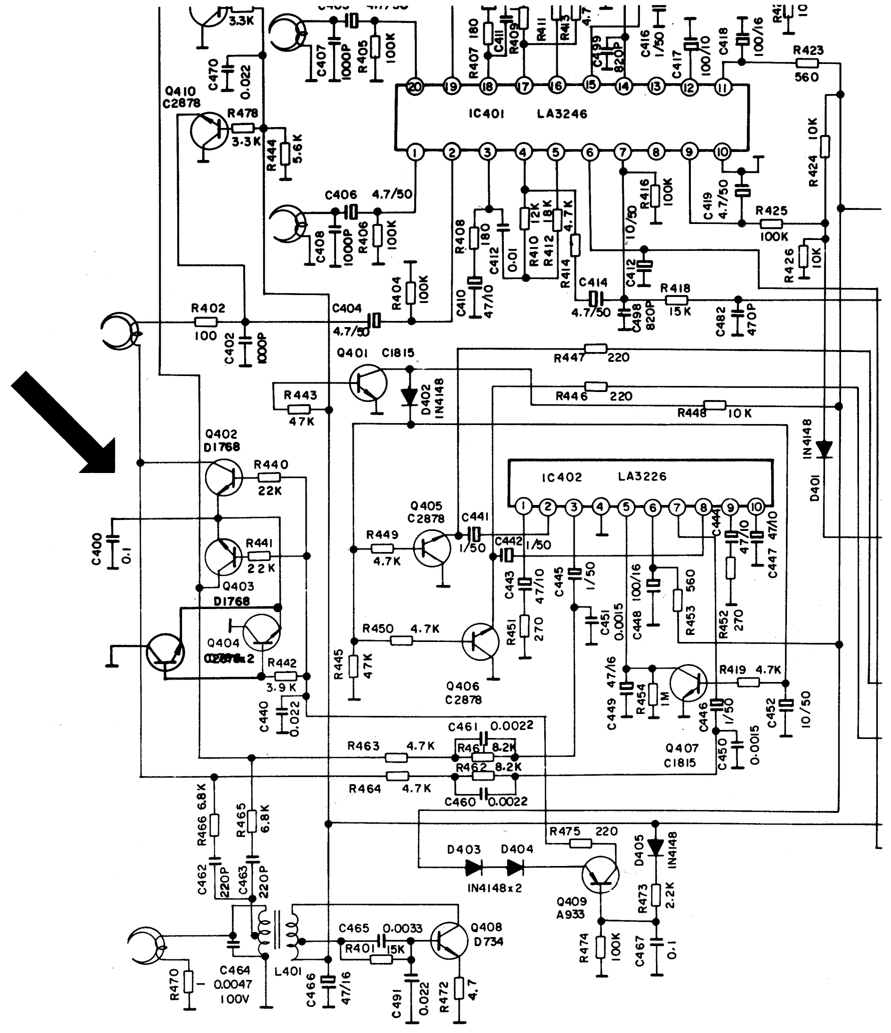
Schaltbild 2 MIDI 2264 (Auszug Cassette)

Schematic diagram 2 (Excerpt cassette)

Änderungshinweis: Anhand der vorliegenden Schaltpläne Version nachprüfen!

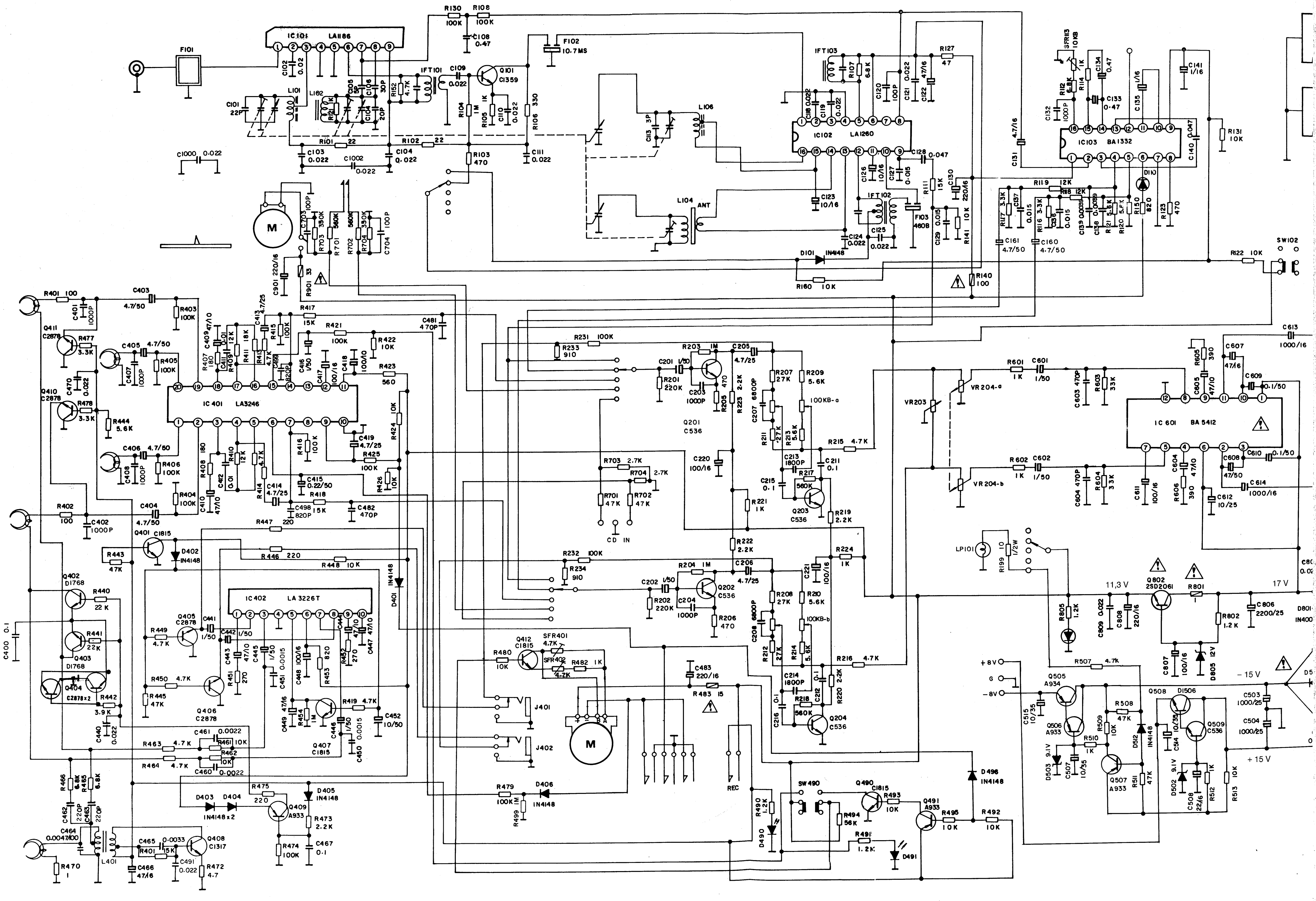
Modification advice: By means of the proposed schematic diagrams verify your version!


IC401 LA3246
IC402 LA3226
Q401 C1815
Q402 D1768
Q403 D1768
Q404 D786
Q405 C2878
Q406 C2878
Q407 C1815
Q408 D734
Q409 A933
Q410 C2878
L401
D401 1N4148
D402 1N4148
D403 D404 1N4148x2
D405 1N4148


IC401 LA3246
IC402 LA3226
Q401 C1815
Q402 D1768
Q403 D1768
Q404
Q405 C2878
Q406 C2878
Q407 C1815
Q408 D734
Q409 A933
Q410 C2878
L401
D401 1N4148
D402 1N4148
D403 D404 1N4148x2
D405 1N4148

Schaltbild 1 MIDI 2270
Schematic diagram 1 MIDI 2270

Schaltbild 1 MIDI 2270
Schematic diagram 1 MIDI 2270

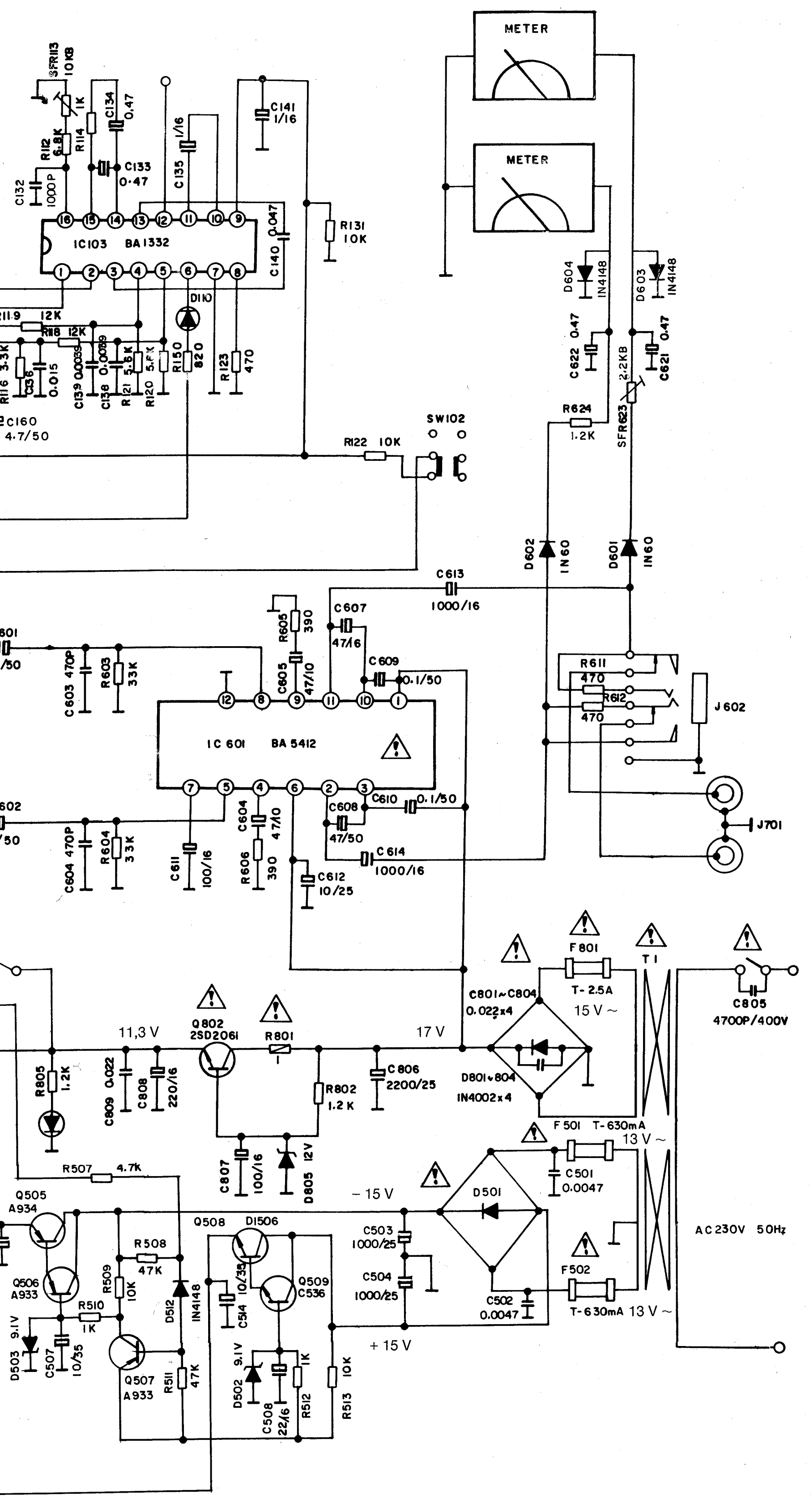

F101
IC101 LA1186
R130 100K
R108 100K
C108 0.47
F102 10.7MS
IFT101
C109 0.022
Q101 C1359
C101 22P
L101
L102
C102 0.02
R101 22
R102 22
C103 0.022
C104 0.022
C1000 0.022
C1002 0.022
R104 1M
R105 1K
C110 0.022
R106 330
R103 470
C111 0.022
R152 4.7K
L106
L104
ANT
IFT103
R107 6.8K
C120 100P
C121 0.022
C122 47/16
R127 47
IC102 LA1260
C118 0.022
C119 0.022
C123 10/16
C124 0.022
C125 0.022
C126 10/16
C127 0.015
IFT102
F103 460B
C128 0.047
R111 15K
C129 0.015
R141 10K
C130 220/16
D101 1N4148
R160 10K
R140 100
IC103 BA1332
SFR113 10KB
R112 5.6K
R114 1K
C132 100P
C133 0.47
C134 0.47
C135 1/16
C141 1/16
C131 4.7/16
C140 0.047
R131 10K
R119 12K
R118 12K
R117 3.3K
R116 3.3K
C137 0.015
C136 0.015
C139 0.0039
C138 0.0039
R121 5.1K
R120 5.1K
R130 820
R123 470
D110
C161 4.7/50
C160 4.7/50
R122 10K
SW102
M
C703 100P
R703 330K
R701 560K
R702 560K
R704 330K
C704 100P
C901 220/16
R901 33
R401 100
C401 1000P
C403 4.7/50
R403 100K
Q411 C2878
R477 3.3K
C405 4.7/50
R405 100K
C407 1000P
C470 0.022
Q410 C2878
R478 3.3K
R444 5.6K
C406 4.7/50
R406 100K
C408 1000P
R402 100
C402 1000P
C404 4.7/50
R404 100K
IC401 LA3246
R417 15K
R421 100K
R422 10K
C481 470P
R423 560
R424 10K
C419 4.7/25
R425 100K
R426 10K
R416 100K
C415 0.22/50
R418 15K
C498 820P
C482 470P
C414 4.7/25
R414 4.7K
R408 180
C410 47/10
R410 12K
C412 0.01
R447 220
Q401 C1815
D402 1N4148
R443 47K
R446 220
R448 10K
D401 1N4148
Q402 D1768
R440 22K
Q403 D1768
R441 22K
C400 0.1
Q404 C2878×2
R442 3.9K
C440 0.022
IC402 LA3226T
Q405 C2878
R449 4.7K
C441 1/50
C442 1/50
R450 4.7K
R445 47K
Q406 C2878
R451 270
C443 47/10
C445 1/50
C451 0.0015
C448 100/16
R453 820
R452 270
C447 47/10
C449 47/16
R454 1M
Q407 C1815
R419 4.7K
C446 1/50
C450 0.0015
C452 10/50
C461 0.0022
R461 10K
R462 10K
C460 0.0022
R463 4.7K
R464 4.7K
R466 6.8K
R465 6.8K
C462 220P
C463 220P
C464 0.0047/100
L401
C465 0.0033
R401 15K
C466 47/16
C491 0.022
Q408 C1317
R472 4.7
R470 1
R475 220
D403 D404 1N4148×2
Q409 A933
D405 1N4148
R473 2.2K
R474 100K
C467 0.1
R231 100K
R233 910
C201 1/50
R201 220K
C203 1000P
Q201 C536
R203 1M
C205 4.7/25
R205 470
R223 2.2K
C207 6800P
R207 27K
R209 5.6K
100KB-a
R211 27K
R213 5.6K
R215 4.7K
C220 100/16
C213 1800P
C211 0.1
R217 560K
C215 0.1
Q203 C536
R221 1K
R219 2.2K
R703 2.7K
R704 2.7K
R701 47K
R702 47K
CD IN
R222 2.2K
R232 100K
R234 910
C202 1/50
R202 220K
C204 1000P
Q202 C536
R204 1M
C206 4.7/25
R206 470
C221 100/16
R224 1K
C208 6800P
R208 27K
R210 5.6K
100KB-b
R212 27K
R214 5.6K
R216 4.7K
C214 1800P
R218 560K
C212 0.1
R220 2.2K
C216 0.1
Q204 C536
Q412 C1815
SFR401 4.7K
SFR402 4.7K
R480 10K
R482 1K
C483 220/16
R483 15
J401
J402
M
REC
R479 100K
D406 1N4148
R499 1M
R490 1.2K
D490
SW490
Q490 C1815
R493 10K
R494 56K
R491 1.2K
D491
Q491 A933
R495 10K
R492 10K
D496 1N4148
R601 1K
C601 1/50
C603 470P
R603 33K
R605 390
C607 47/6
C605 47/10
C609 0.1/50
C613 1000/16
VR203
VR204-a
VR204-b
IC601 BA5412
R602 1K
C602 1/50
C604 470P
R604 33K
C611 100/6
R606 390
C604 47/10
C608 47/50
C610 0.1/50
C612 10/25
C614 1000/16
LP101
R199 10 1/2W
R805 1.2K
11,3 V
C809 0.022
C808 220/16
Q802 2SD2061
R801 1
17 V
R802 1.2K
C806 2200/25
C807 100/16
D805 12V
R507 4.7K
+8V
G
−8V
Q505 A934
C515 10/35
Q506 A933
R510 1K
D503 9.1V
C507 10/35
R508 47K
R509 10K
Q507 A933
D512 1N4148
R511 47K
Q508 D1506
C514 10/35
Q509 C536
D502 9.1V
C508 22/6
R512 1K
R513 10K
C503 1000/25
C504 1000/25
−15 V
+15 V

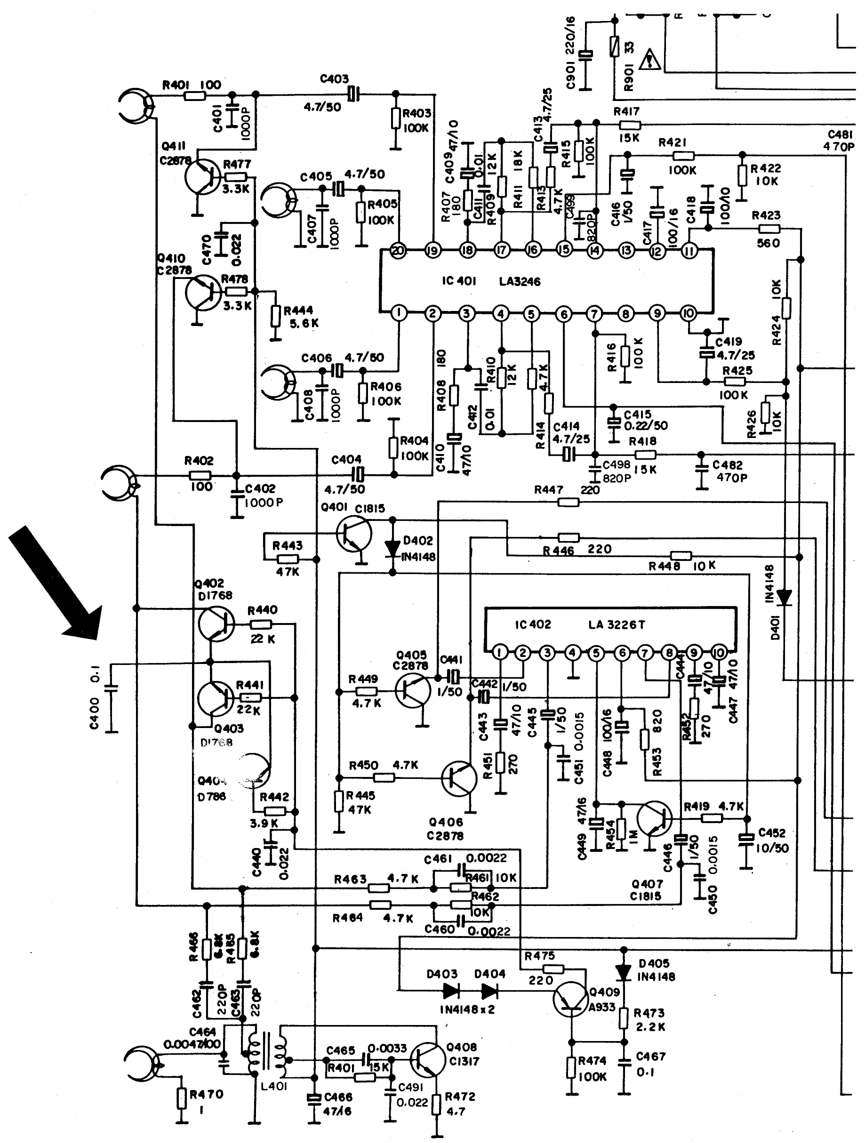
Schaltbild 2 MIDI 2270 (Auszug Cassette)

Schematic diagram 2 MIDI 2270 (excerpt cassette)

Änderungshinweis: Anhand der vorliegenden Schaltpläne Version nachprüfen!

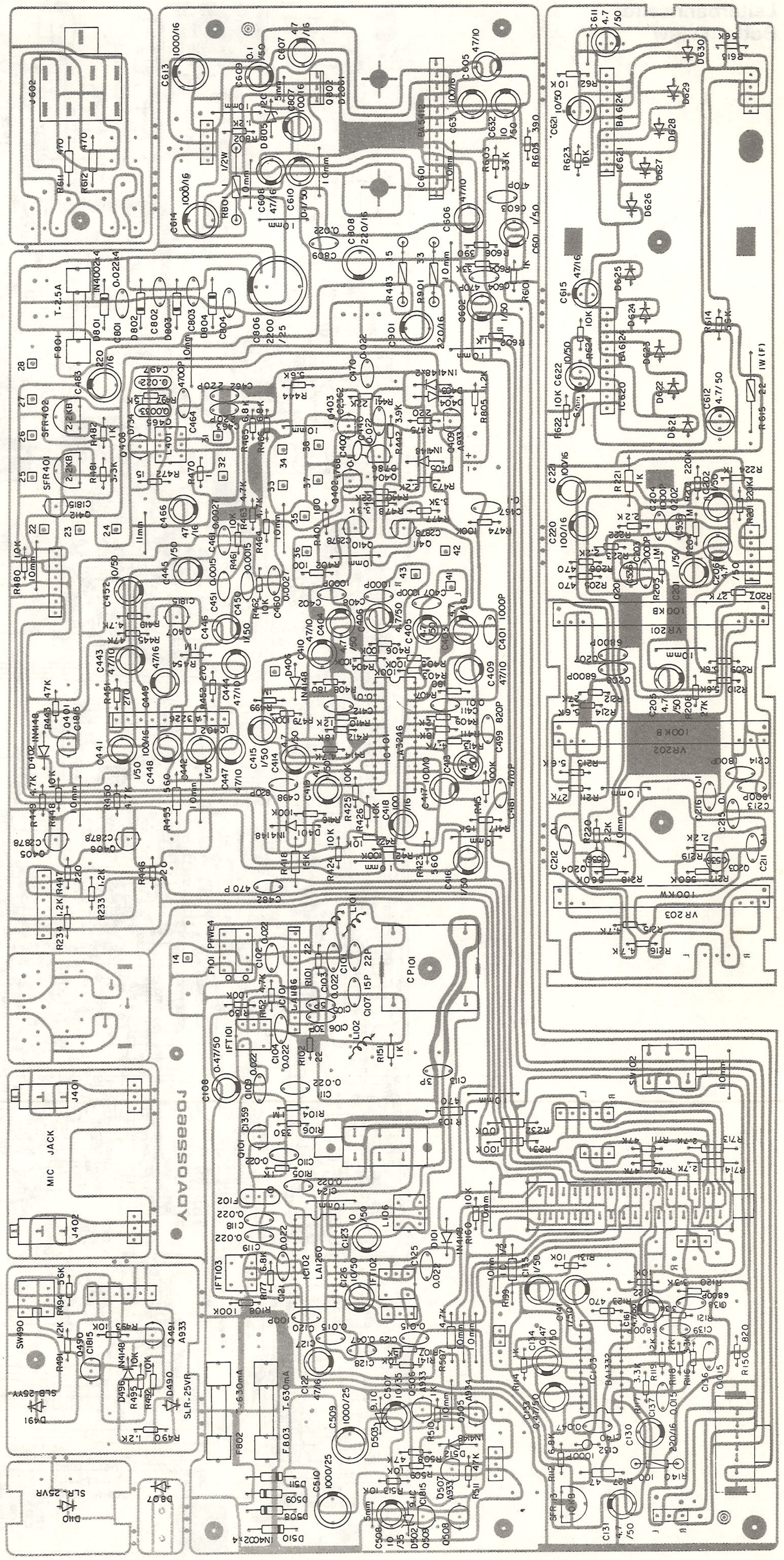
Modification advice: By means of the proposed schematic diagrams verify your version!


METER
METER
IC103 BA1332
D110
SW102
R122 10K
R131 10K
C141 1/16
D604 IN4148
D603 IN4148
C622 0.47
C621 0.47
R624 1.2K
SFR623 2.2K8
D602 IN60
D601 IN60
C613 1000/16
C607 47/16
C609 0.1/50
R605 390
IC601 BA5412
R611 470
R612 470
J602
J701
C608 47/50
C610 0.1/50
C614 1000/16
C612 10/25
R606 390
C603 470P
R603 33K
C604 470P
R604 33K
C611 100/16
F801 T-2.5A
15 V ~
T1
C805 4700P/400V
C801~C804 0.022x4
D801~804 IN4002x4
Q802 2SD2061
R801
11,3 V
17 V
C806 2200/25
R802 1.2K
R805 1.2K
C809 0.022
C808 220/16
C807 100/16
D805 12V
F501 T-630mA
13 V ~
C501 0.0047
D501
- 15 V
R507 4.7K
Q505 A934
Q508 D1506
R508 47K
C503 1000/25
C504 1000/25
C502 0.0047
F502 T-630mA 13 V ~
AC 230V 50Hz
Q506 A933
Q509 C536
R509 10K
R510 1K
D512 IN4148
C514 10/35
Q507 A933
R511 47K
D503 9.1V
C507 10/35
D502 9.1V
C508 22/16
R512 1K
R513 10K
+ 15 V


R401 100
C403 4.7/50
C401 1000P
R403 100K
Q411 C2878
R477 3.3K
C405 4.7/50
R405 100K
C407 1000P
IC401 LA3246
Q410 C2878
R478 3.3K
C470 0.022
R444 5.6K
C406 4.7/50
R406 100K
C408 1000P
R404 100K
R417 15K
R421 100K
R422 10K
R423 560
C481 470P
C901 220/16
R901 33
C419 4.7/25
R425 100K
R424 10K
R426 10K
C415 0.22/50
R418 15K
C414 4.7/25
C498 820P
C482 470P
R402 100
C402 1000P
C404 4.7/50
Q401 C1815
D402 IN4148
R447 220
R446 220
R448 10K
R443 47K
Q402 D1768
R440 22K
IC402 LA3226T
D401 IN4148
C400 0.1
Q405 C2878
C441 1/50
C442 1/50
R449 4.7K
R441 22K
Q403 D1768
Q404 D786
R450 4.7K
R445 47K
Q406 C2878
R442 3.9K
C440 0.022
R419 4.7K
C452 10/50
Q407 C1815
R463 4.7K
R464 4.7K
C461 0.0022
R461 10K
R462 10K
C460 0.0022
R466 6.8K
R465 6.8K
C462 220P
C463 220P
C464 0.0047
D403 D404 IN4148x2
R475 220
D405 IN4148
Q409 A933
R473 2.2K
C467 0.1
R474 100K
L401
C465 0.0033
R401 15K
Q408 C1317
C491 0.022
R472 4.7
R470 1
C466 47/6

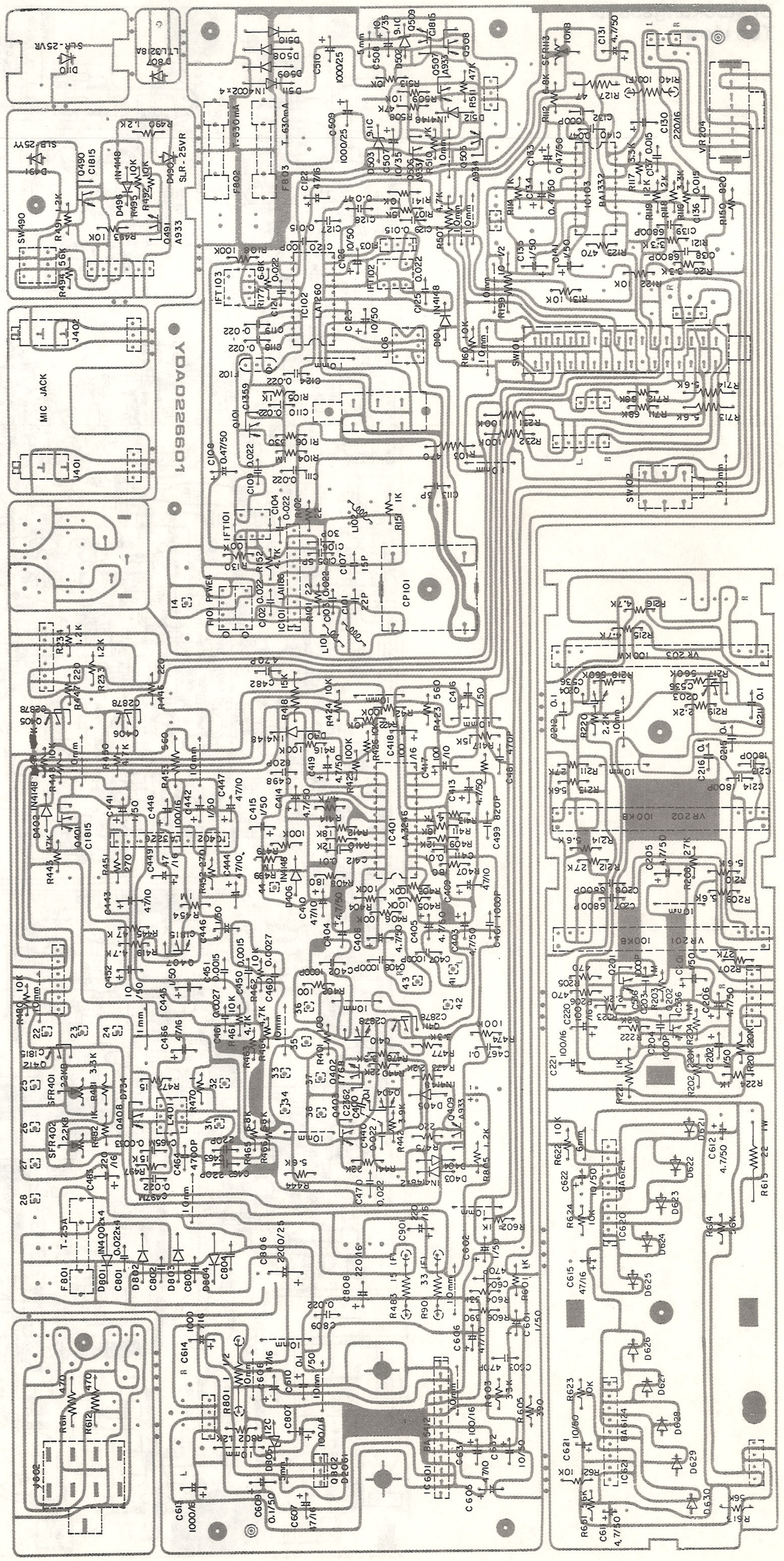
Platinendarstellung Hauptplatine + LED-Platine MIDI 2264
Main P.C.B. + LED P.C.B. MIDI 2264

Bestückungsseite/
Top view



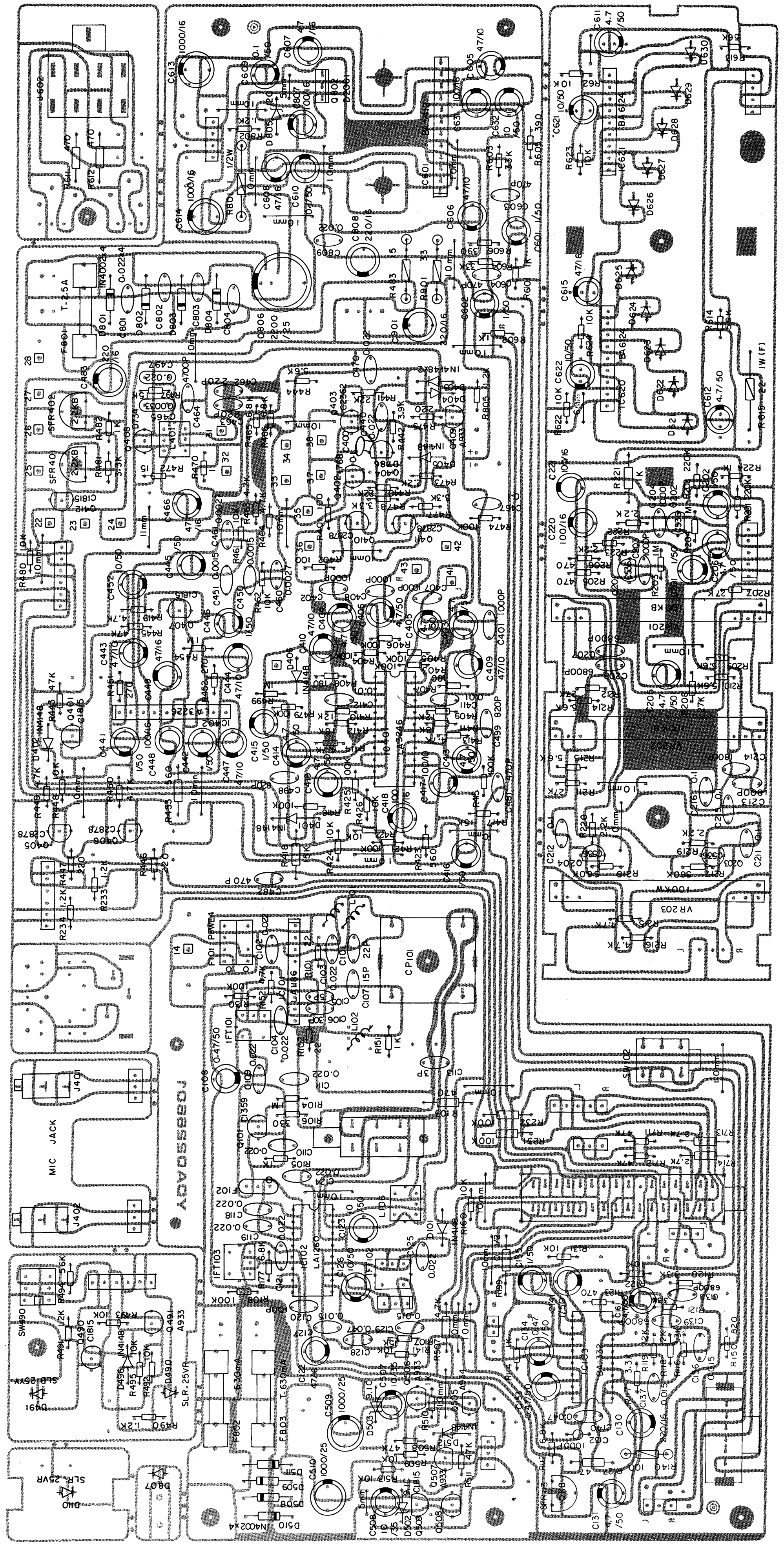
Platinendarstellung Hauptplatine + LED-Platine MIDI 2264
Main P.C.B. + LED P.C.B. MIDI 2264

Leiterbahnseite/
Bottom view



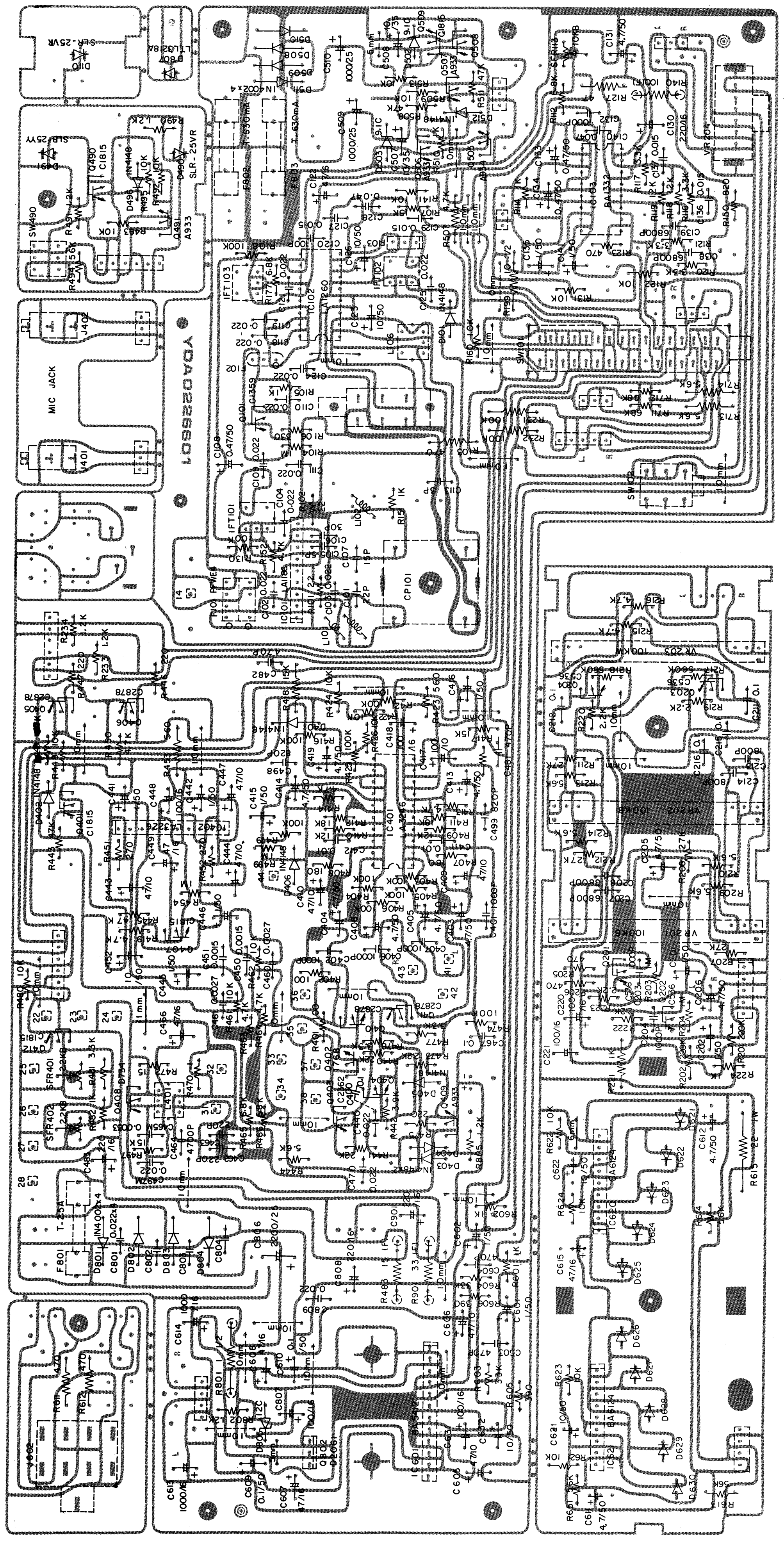
Platinendarstellung Hauptplatine + LED-Platine MIDI 2264
Main P.C.B. + LED P.C.B. MIDI 2264

Bestückungsseite/
Top view


MIC JACK
J401
J402
CP101
VR201
VR202
VR203
SW490

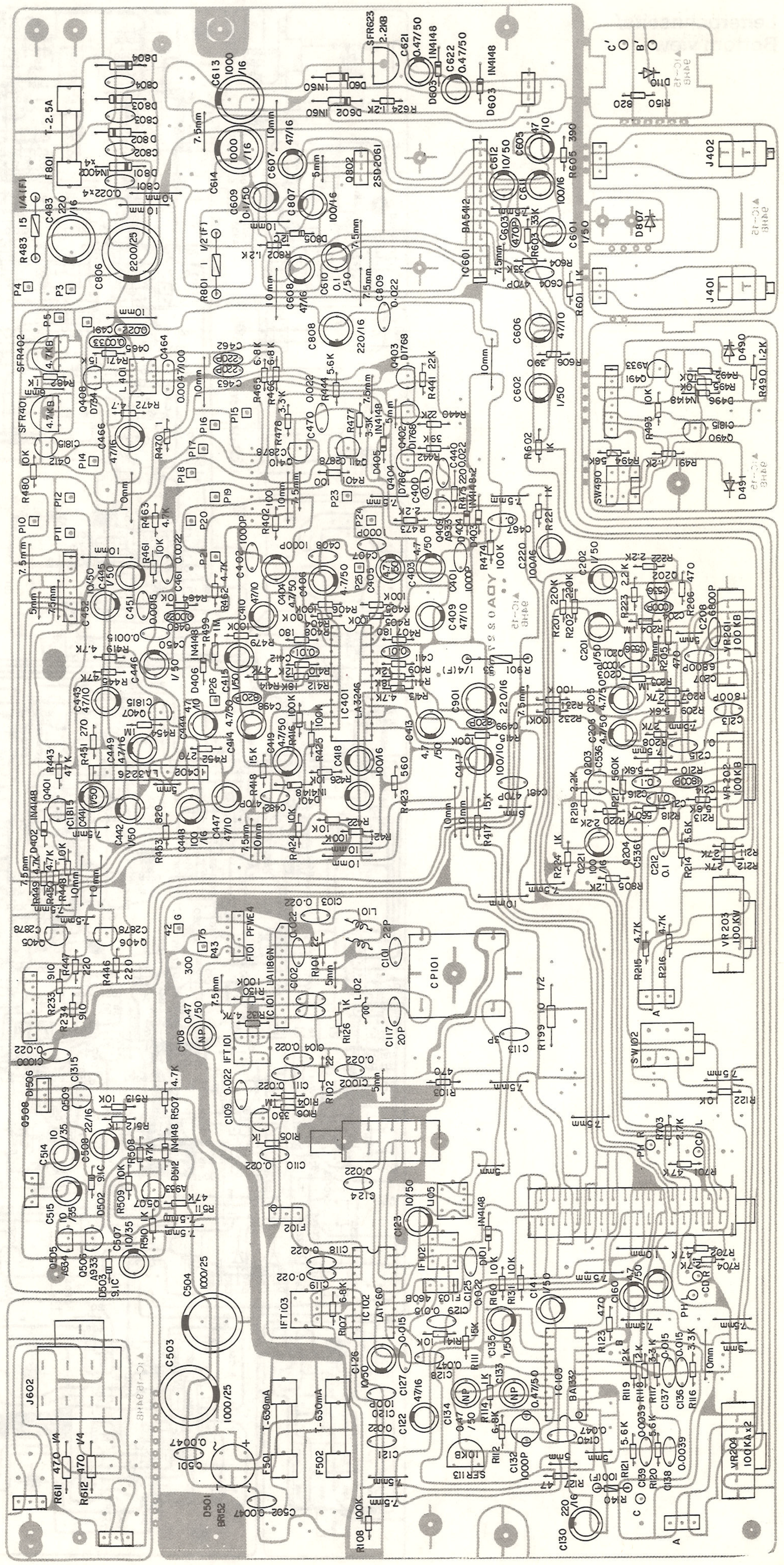
Platinendarstellung Hauptplatine + LED-Platine MIDI 2264
Main P.C.B. + LED P.C.B. MIDI 2264

Leiterbahnseite/
Bottom view


MIC JACK
J401
J402
CP101
VR201
VR202
VR203
SW490

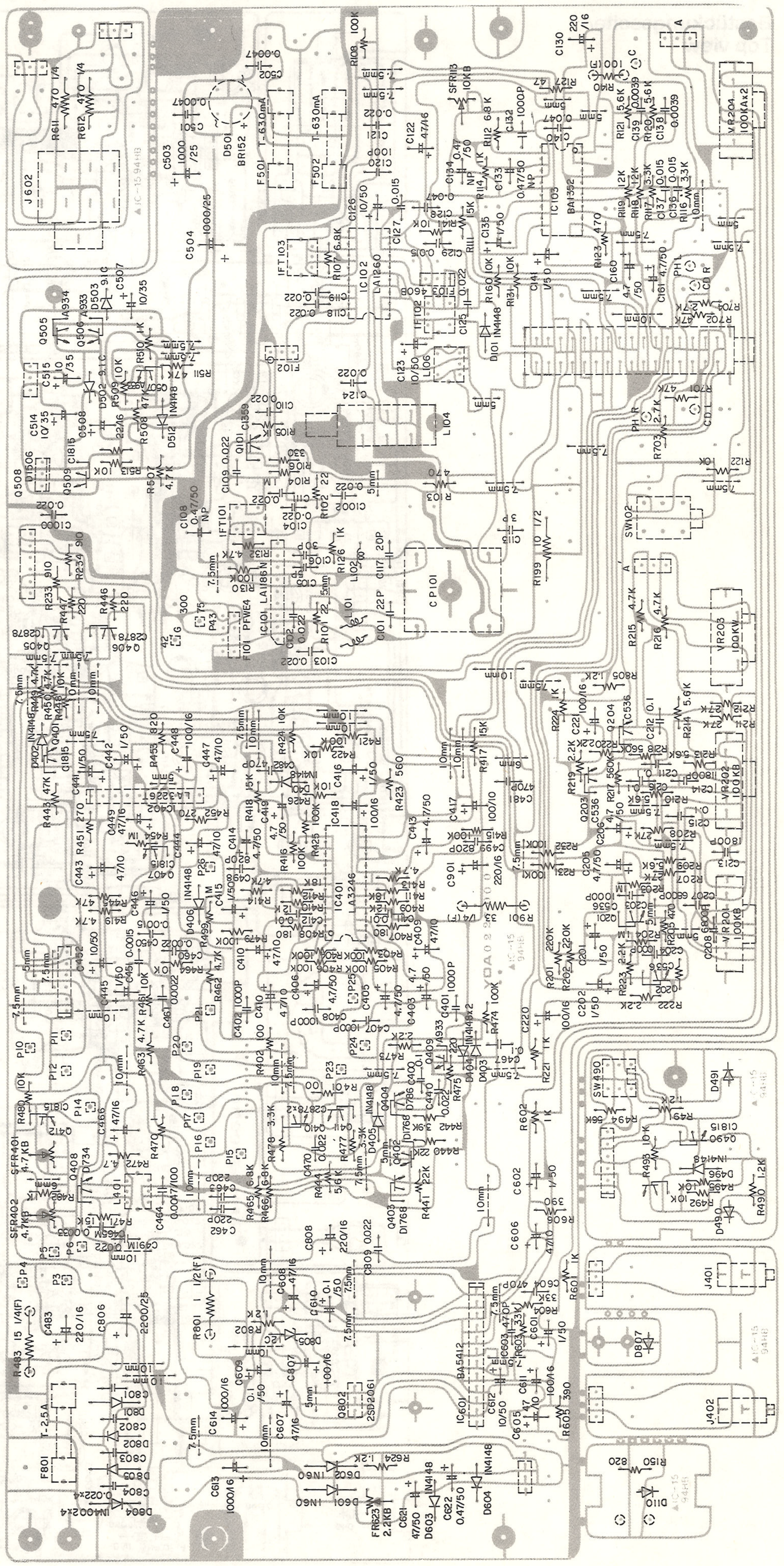
Platinendarstellung Hauptplatine MIDI 2270
Main P.C.B. MIDI 2270

Bestückungsseite/
Top view



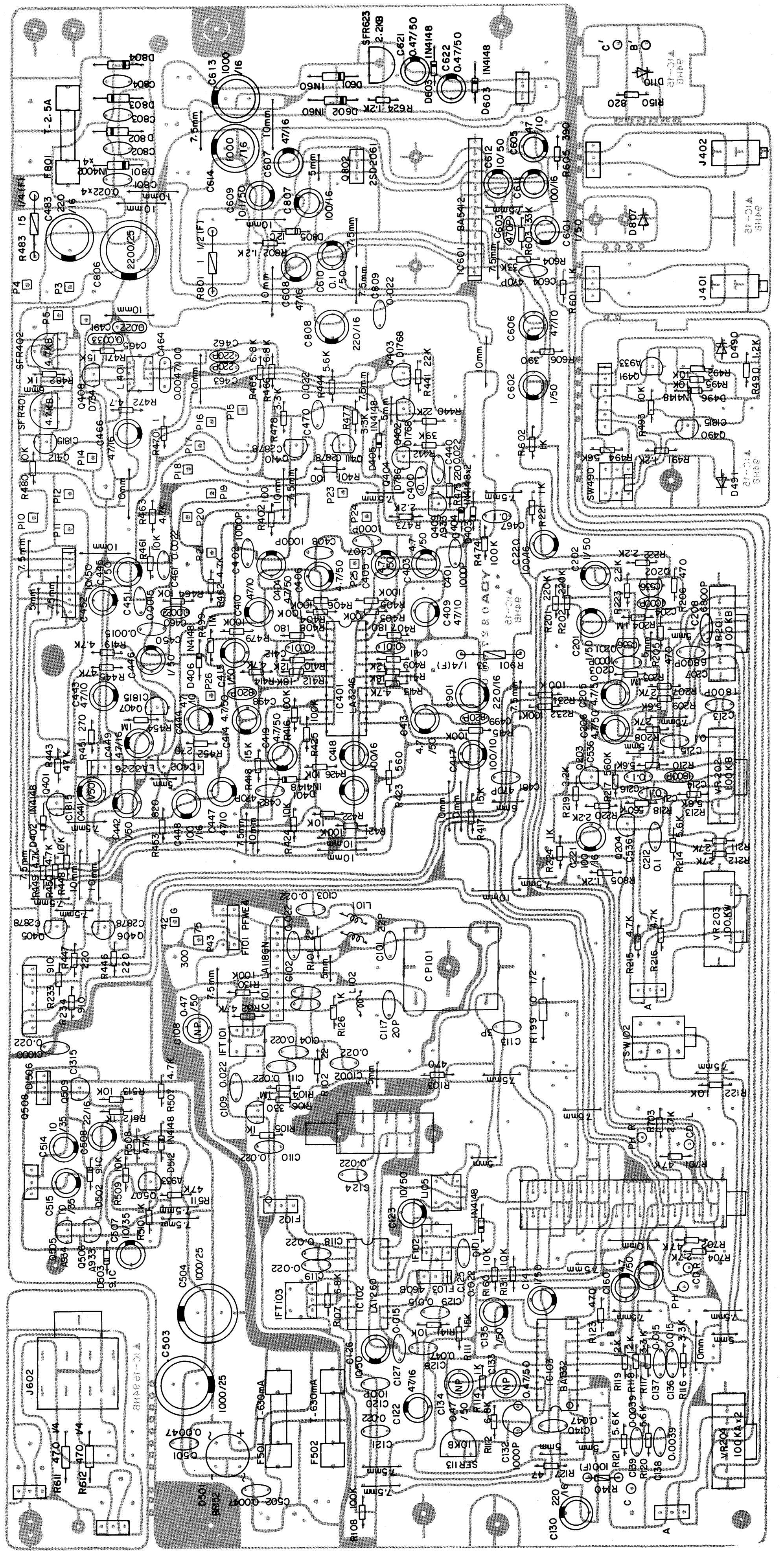
Platinendarstellung Hauptplatine MIDI 2270
Main P.C.B. MIDI 2270

Leiterbahnseite/
Bottom view



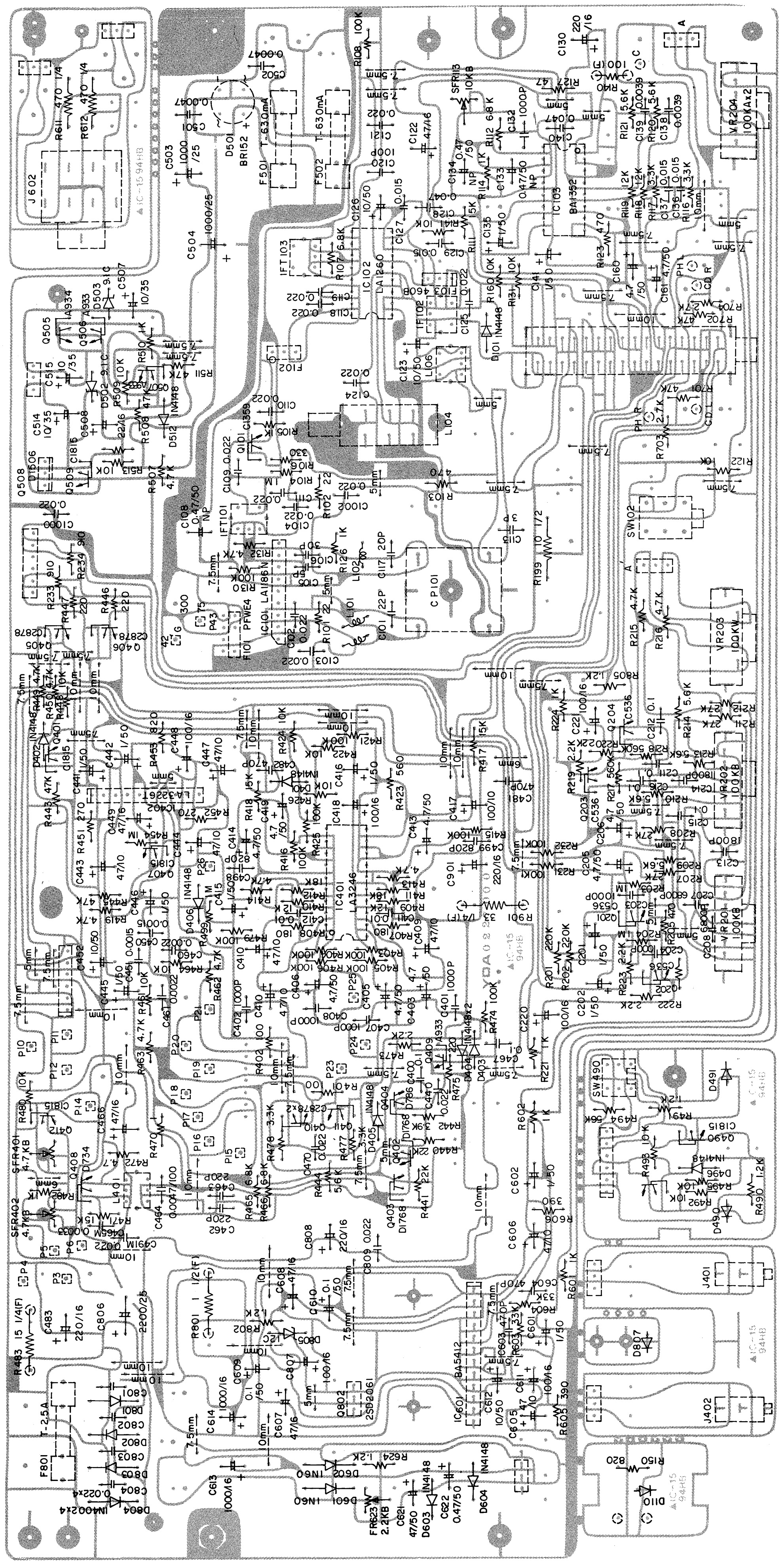
Platinendarstellung Hauptplatine MIDI 2270
Main P.C.B. MIDI 2270

Bestückungsseite/
Top view



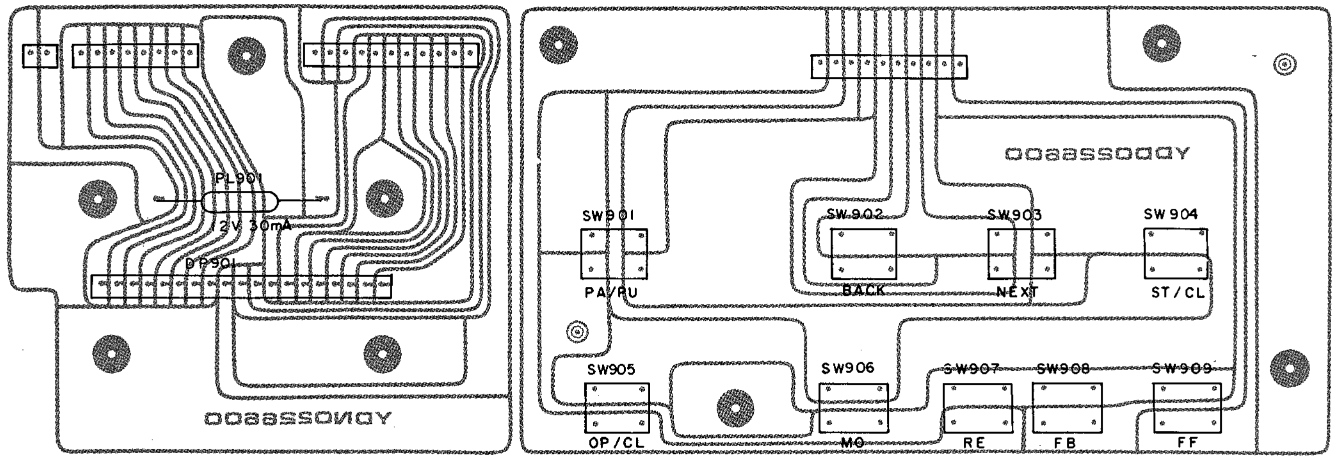
Platinendarstellung Hauptplatine MIDI 2270
Main P.C.B. MIDI 2270

Leiterbahnseite/
Bottom view

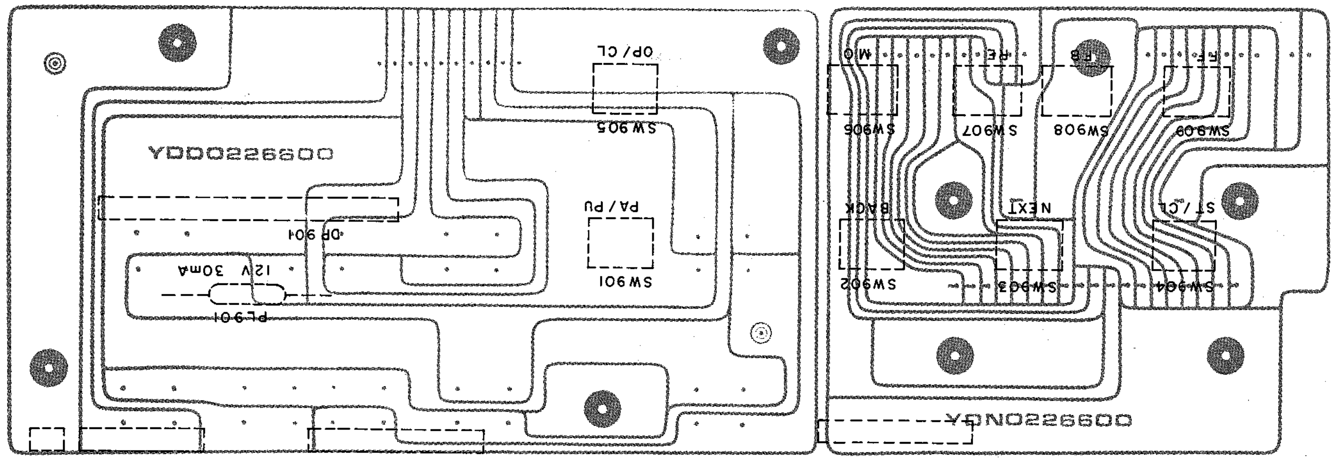


Platinendarstellung LCD-Anzeige CD MIDI 2264/2270
LCD CD P.C.B. MIDI 2264/2270

Bestückungsseite/Top view



Leiterbahnseite/Bottom view



Ersatzteilliste elektrische Teile MIDI 2264
Spare parts list electrical parts MIDI 2264

Bestell-Nr./ Part.-No.	Bezeichnung	Description	Position	Preisgruppe/ Price-key
65 479 00	Hauptplatine	Main P.C.B.		F 7
65 480 00	LCD-Platine	LCD P.C.B. assembly		C 8
65 481 00	Schalter Platine, CD	CD SW P.C.B. assembly		B 7
65 482 00	Phono Platine	Phono P.C.B. assembly		A 7
66 049 00	LED Platine (Power Meter)	LED P.C.B.		C 5
40 246 00	IC LA 1186 N	IC LA 1186 N	IC 101	B 0
26 787 00	IC LA 1260	IC LA 1260	IC 102	B 4
26 473 00	IC BA 1332	IC BA 1332	IC 103	B 2
40 799 00	IC LA 3246	IC LA 3246	IC 401	B 2
40 037 00	IC LA 3226 T	IC LA 3226 T	IC 402	B 2
65 760 00	IC BA 5412	IC BA 5412	IC 601	B 4
14 351 00	IC BA 6124	IC BA 6124	IC 620–621	B 3
12 093 00	Transistor 2SC 1359 B	Transistor 2SC 1359 B	Q 101	A 3
13 545 00	Transistor 2SC 536 FS	Transistor 2SC 536 FS	Q 201–204	A 3
12 947 00	Transistor 2SC 1815 GR	Transistor 2SC 1815 GR	Q 401+412	A 4
65 701 00	Transistor 2SD 1768 S	Transistor 2SD 1768 S	Q 402–403	B 5
65 762 00	Transistor 2SD 786 S	Transistor 2SD 786 S	Q 404	A 3
65 784 00	Transistor 2SD 734 F	Transistor 2SD 734 F	Q 408	A 2
48 839 00	Transistor 2SA 933SS	Transistor 2SA 933SS	Q 409	A 1
34 691 00	Transistor 2SC 2878 A	Transistor 2SC 2878 A	Q 410+411	A 3
48 841 00	Transistor 2SD 2061 F	Transistor 2SD 2061 F	Q 802	A 6
11 239 00	Diode 1N 4002	Diode 1N 4002	D 801–804	A 1
01 241 00	Diode 1N 4148	Diode 1N 4148	D 101+401+404+406	A 2
06 227 00	Zenerdiode MTZ 12	Zener diode MTZ 12	D 805	A 3
65 763 00	Leuchtdiode rot	LED 25 VR (red)	D 110–490+621–630	A 3
65 764 00	Leuchtdiode gelb	LED 25 YY (yellow)	D 491	A 2
65 765 00	Drehko	PVC	CP 101	B 5
65 769 00	Spule FM HF	Coil FM RF	L 101	A 0
65 768 00	Spule FM Oszillator	Coil FM oscillator	L 102	A 0
65 766 00	Ferritantenne	MW bar antenna coil	L 104	B 1
65 785 00	Spule MW Oszillator	Coil MW oscillator	L 106	A 3
34 325 00	Spule Tape Oszillator	Coil tape oscillator	L 401	A 5
13 531 00	Filter FM PFWE 4	FM Balium filter PFWE 4	F 101	A 7
22 965 00	Keramikfilter FM SFE 10,7 MA 5	FM ceramic filter SFE 10.7	F 102	B 1
13 673 00	Spule AM CF (Trägerfrequenz)	Coil AM CF	F 103	B 1
46 880 00	Spule MW ZF (Übertrager)	Coil MW IFT	IF 102	A 5
65 786 00	Spule FM ZF (Übertrager)	Coil FM IFT	IFT 101	A 3
65 787 00	Spule FM DET	Coil FM DET	IFT 103	A 3
66 234 00	Schiebewi Bass/Treble	Slide resistor	VR 201/202	A 4
65 770 00	Schiebewi 100 kOhm W × 1 Balance	Slide resistor 100 kOhm W × 1	VR 203	A 7
65 771 00	Drehwi 100 kOhm A × 2 Volume	Rotary resistor 100 kOhm A × 2	VR 204	A 9
37 442 00	Trimmpoti 10 kOhm	Semi-fixed-resistor 10 kOhm	SFR 113	A 2
65 448 00	Drehschalter Funktion	Rotary switch function	SW 101	B 5
65 447 00	Druckschalter M/S	Push switch M/S	SW 102	A 7
29 047 00	Druckschalter Hi-Speed	Push switch hi-speed		B 0
34 330 00	Netzschalter	Power switch		B 0
32 952 00	Chinch-Buchsen (2)	2-pin RCA Jack		A 6
65 450 00	Mikrofon-Buchsen (2)	Mic jack		A 3
13 986 00	Kopfhörer-Buchse	Head jack		B 0
65 485 00	Netztrafo MIDI 2264/2270	Power transformer		C 9

Ersatzteilliste elektrische Teile Midi 2270
Spare parts list electrical parts Midi 2270

Bestell-Nr./ Part.-No.	Bezeichnung	Description	Position	Preisgruppe/ Price-key
65 833 00	Hauptplatine	Main P.C.B.		F 7
65 480 00	LCD-Platine	LCD P.C.B.		C 8
65 481 00	Schalter Platine, CD	CD SW P.C.B. assembly		B 7
65 482 00	Phono Platine	Phono P.C.B. assembly		A 7
40 246 00	IC LA 1186 N	IC LA 1186 N	IC 101	B 0
26 797 00	IC LA 1260	IC LA 1260	IC 102	B 4
26 473 00	IC BA 1332	IC BA 1332	IC 103	B 2
40 799 00	IC LA 3246	IC LA 3246	IC 401	B 2
40 037 00	IC LA 3226 T	IC LA 3226 T	IC 402	B 2
65 760 00	IC BA 5412	IC BA 5412	IC 601	B 4
12 093 00	Transistor 2SC 1359 B	Transistor 2SC 1359 B	Q 101	A 3
13 545 00	Transistor 2SC 536 FS	Transistor 2SC 536 FS	Q 201–204	A 3
12 947 00	Transistor 2SC 1815 GR	Transistor 2SC 1815 GR	Q 401+412	A 4
65 761 00	Transistor 2SD 1768 S	Transistor 2SD 1768 S	Q 402+403	A 3
65 762 00	Transistor 2SD 786 S	Transistor 2SD 786 S	Q 404	A 3
65 784 00	Transistor 2SC 734 F	Transistor 2SC 734 F	Q 408	A 2
48 839 00	Transistor 2SA 933 SS	Transistor 2SA 933 SS	Q 409	A 1
34 691 00	Transistor 2SC 2878 A	Transistor 2SC 2878 A	Q 405/406/410/411	A 3
48 841 00	Transistor 2SD 2061 F	Transistor 2SD 2061 F	Q 802	A 6
01 241 00	Diode 1N 4148	Diode 4148	D 101, 402–406	A 2
65 807 00	Diode 1N 60	Diode 1N 60	D 601+602	A 2
11 239 00	Diode 1N 4002	Diode 1N 4002	D 801–804	A 1
06 227 00	Zenerdiode MTZ 12 C	Zener diode MTZ 12 C	D 805	A 3
23 214 00	Zenerdiode MTZ 9,1 C	Zener diode MTZ 9.1 C	D 602+503	A 1
65 763 00	Leuchtdiode rot	LED SLR – 25 VR (red)	D 110+490	A 3
65 764 00	Leuchtdiode gelb	LED SLB – 25 YY (yellow)	D 491	A 2
65 765 00	Drehko	PVC	CP 101	B 5
65 769 00	Spule FM HF	Coil FM RF	L 101	A 0
65 768 00	Spule FM Oszillator	Coil FM oscillator	L 102	A 0
65 766 00	Ferritantenne	MW bar antenna coil	L 104	B 1
65 785 00	Spule MW Oszillator	Coil MW oscillator	L 106	A 3
34 325 00	Spule Tape Oszillator	Coil tape oscillator	L 401	A 5
13 531 00	Filter FM PFWE 4	FM Balium filter PFWE 4	F 101	A 7
22 965 00	Keramikfilter FM SFE 10,7 MA 5	FM ceramic filter SFE 10.7 MA 5	F 102	B 1
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65 786 00	Spule FM ZF (Übertrager)	Coil FM IFT	IFT 101	A 3
65 787 00	Spule FM DET	Coil FM DET	IFT 103	A 3
66 235 00	Drehwi Bass/Treble	Rotary resistor	VR 201-202	A 6
65 770 00	Drehwi Balance	Rotary resistor	VR 203	A 7
65 771 00	Drehwi Volume	Rotary resistor	VR 204	A 9
65 448 00	Drehschalter Funktion	Function Rotary SW	SW 101	B 5
65 447 00	Druckschalter M/S	Push switch M/S	SW 102	A 7
29 047 00	Druckschalter Hi-Speed	Push SW hi-speed	SW 490	B 0
34 330 00	Netzschalter	Power switch		B 0
65 546 00	Chinch-Buchsen (2)	2-pin RCA jack		A 7
65 450 00	Mikrofon-Buchsen (2)	Mic jack		A 3
13 986 00	Kopfhörer-Buchse	Head jack		B 0
65 485 00	Netztrafo MIDI 2264/2270	Power transformer		C 9

Abgleich Tuner MIDI 2264/2270
Alignment procedure tuner MIDI 2264/2270

GENERAL ALIGNMENT CONDITION

1. Adjust FM signal generator output to 1 mv (60dB) with MPX MODULATION 1 KHz

Deviation = 33.75 KHz Pilot = 6 KHz

INSTRUMENTS REQUIRED

Signal source	Output indicator
* FM signal generator *	* Frequency counter *
*Stereo signal generator *	* AC minivolt meter *
	* Oscilloscope *

STEP	CONNECT SIGNAL SOURCE TO –	CONNECT OUTPUT INDICATOR TO –	SET SIGNAL	SET RADIO DIAL	ADJUST	ADJUST FOR
1	Set function selector switch on the front panel to " FM STEREO" position.					
2	FM signal generator connected to FM aerial	Frequency counter connect to MPX test point	98 MHz and modulation signal off too	98 MHz	SFR 113	19.00 KHz + / - 50 Hz

2
MW

GENERAL ALIGNMENT CONDITIONS

1.Signal input must be kept as low as possible to avoid overload and clipping. (Use highest possible sensitivity of output indicator).

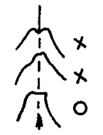
2.Signal input should be kept as low as possible to avoid A.G.C. action. (Set output indicator to highest sensitivity).

3.Marker insertion and amplitude should not distort the oscillator and amplitude. should not distort the oscilloscope trace.

4.Standard modulation is 400 Hz.

INSTRUMENTS REQUIRED

Signal source	Output indicators
*AM signal generator *	*AC millivolt meter*
Radio sweep generator	*Oscilloscope*
Sweep oscilloscope	

STEP	CONNECT SIGNAL SOURCE TO-	CONNECT OUTPUT INDICATOR-	SET SIGNAL OR INSERT MARKER	SET RADIO DIAL TO	ADJUST	ADJUST FOR-
1.	Set function selector switch on the front panel to MW position.					
2.	Sweep generator connected to a loop or short piece fo wire placed near AM antenna	Sweep socilloscope connected to wire pin of the C 411 or C412 and volume to maximum	see amplitude of 460 MHz	Quiet point on band near 515 KHz	IF 102	 Amplitude of fillter
3.	Signal generat-or connected to a loop.	AC millivolt meter and oscilloscope connected across speaker	515KHz	Scale -0	AM OSC L 106	maximum
4.			1620 KHz	Scale - 100	OSC Trimmer CP101(C-1)	
5.			600 KHz	600 KHz	AM BAR ANT COIL L 104	
6.			1400 KHz	1400 KHz	RF Trimmer CP101(C-2)	
7.	Repeat step 3 through 6 as necessary to obtain maximum sensitivity on station.					

3
FM

GENERAL ALIGNMENT CONDITION

1.Signal input must be kept as low as possible to avoid overload clipping. (Use highest possitivity of outpur indicator.)

2.Markers must be accurate (crystal controlled or calibrated). the 10.7 MHz marker used in each section of the FM alignment must be the same.

3.Signal input should be kept as low as possible to avoid AGC ACTION (Set output indicator to highest sensitivity.)

4.FM signal generator RF output frequency must be monitoring.

5.Standard modulation is 1KHz (40KHz).

INSTRUMENTS REQUIRED

Signal sources	Output indicators
FM Signal generator	*AC millivolt meter*
Radio sweep generator	*Oscilloscope*
Sweep oscilloscope	*114 KHz signal generator*
Frequency counter	

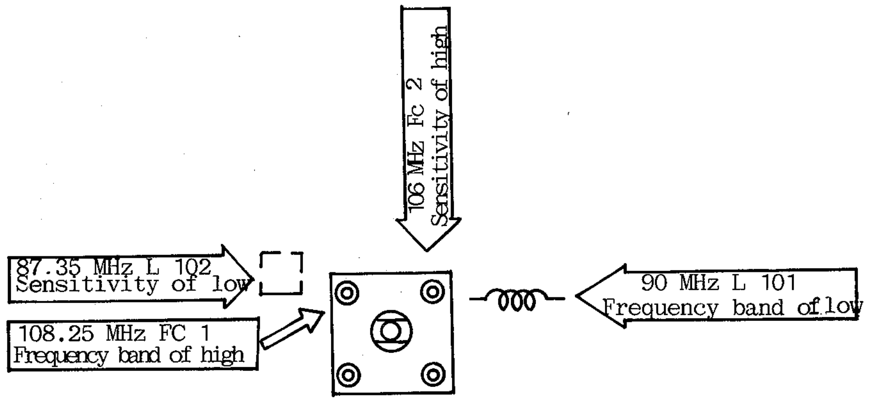
STEP	CONNECT SIGNAL SOURCE TO-	CONNECT OUTPUT INDICATOR TO-	SET SIGNAL OR INSERT MARKER	SET RADIO DIAL TO	ADJUST	ADJUST FOR
1.	Set function selector switch on the front panel to "FM" position.					
2.	Radio sweep generator connect to C 106	Oscilloscope connected to wire pin of the C411 or C412 and volume VR to maximum	10.7 MHz	Quiet scale pointer on band	IF-101	Maximum gain with symmet-ical curve peaked at 10.7MHz marker
3.			10.6 10.7 10.8MHz marker		IF-102	Straightness and symmetry of "S" curve with 10.7MHz markered at zero crossover
4.	Repeat Steps 2 through 3 as necessary to obtain maximum gain and selectivity.					
5.	FM signal gene-rotor output soupled to FM serial. Steps 5.6 Frequency must be monitored by frequency counter	AC millivolt meter and osci-lloscope conne-cted across loadspeaker socket	87.35 MHz	Scale -0	L 102	maximum
6.			108.25MHz	Scale-10	OSC Trimmer FC -1	
7.			90MHz	90 MHz	L 101	
8.			106 MHz	106 MHz	RF Trimmer FC-2	

Abgleich Tuner MIDI 2264/2270
Alignment procedure tuner MIDI 2264/2270

4

FM

STEP	CONNECT SIGNAL SOURCE TO -	CONNECT OUTPUT INDICATOR TO-	SET SIGNALOR INSERT MARKER	SET RADIO DIAL TO	ADJUST	ADJUST FOR
9	Repeat steps 5 through 8 as necessary to obtain maximum sensitivity .					


106 MHz Fc 2
Sensitivity of high
87.35 MHz L 102
Sensitivity of low
108.25 MHz FC 1
Frequency band of high
90 MHz L 101
Frequency band of low

Abgleich Cassette MIDI 2264/2270
Alignment procedure cassette MIDI 2264/2270

Instrument required
1. Audio signal generator
2. Audio attenuator (600 Ohm)
3. Dual trace oscilloscope
4. Dual trace AC millivolt meter
5. Frequency counter

Adjustment
1. Playback

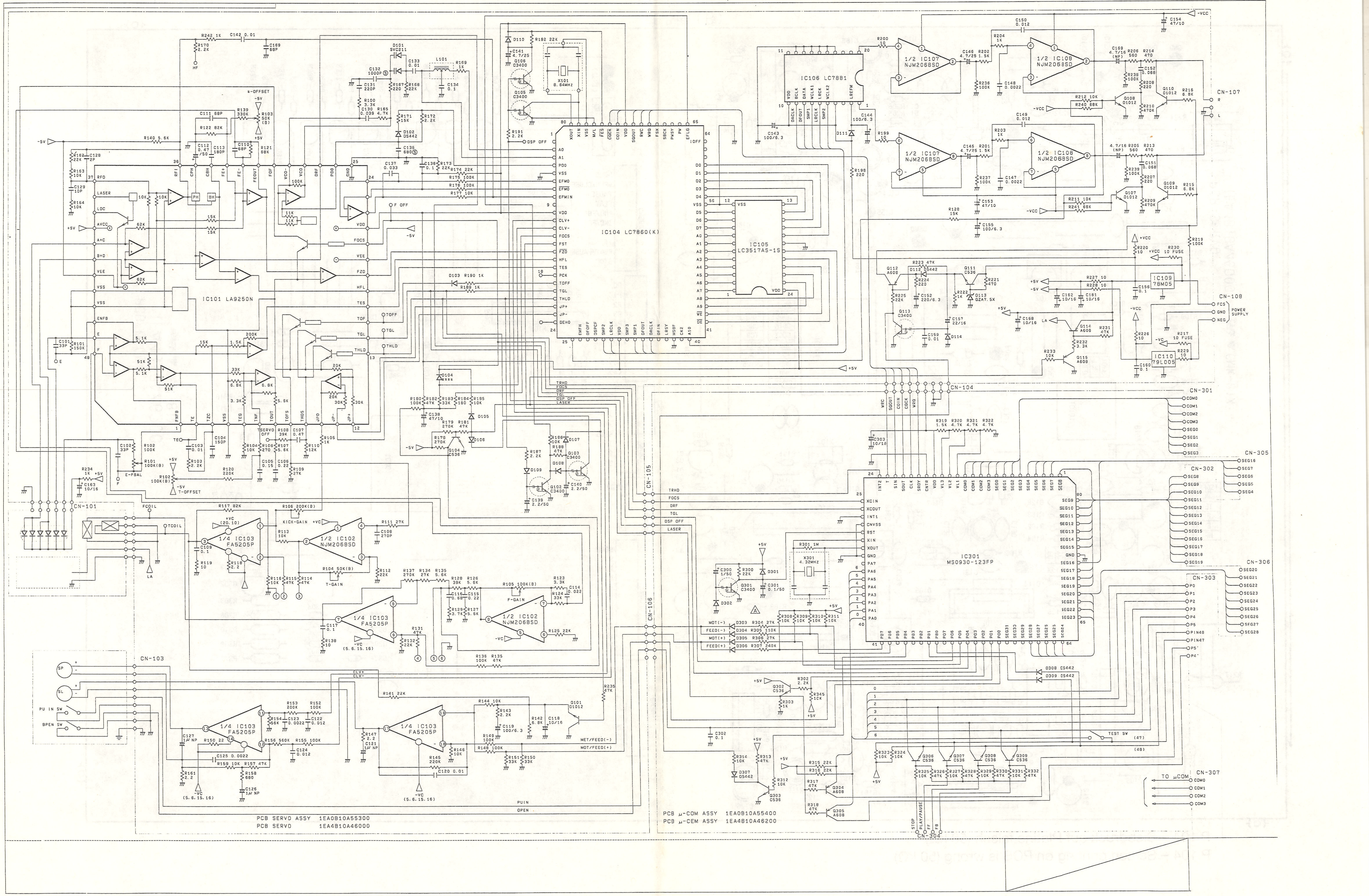
Step		Measuring Instrument Arrangement	Test tape	Adjust Point	Adjustment
1.	Azimuth	Take out the signal from loudspeaker socket L and R	MTT-114 (10 kHz–10 dB)	R/P head	Adjust to maximum output
2.	Tape NOR Speed		MTT-111 (3 kHz–10 dB)	SFR 402	Adjust to 3 kHz + 3/–2% at Frequency counter display
3.	High Speed			SFR 401	Adjust to 4.8 kHz + 3/–2% at Frequency counter display

Step		Measuring Instrument Arrangement	Output Point	Output Point	Adjustment
1.	Bias Frequency	Frequency counter connect to erase head wire pin	Erase head wire pin	L-401	85 kHz (+/-5 kHz)

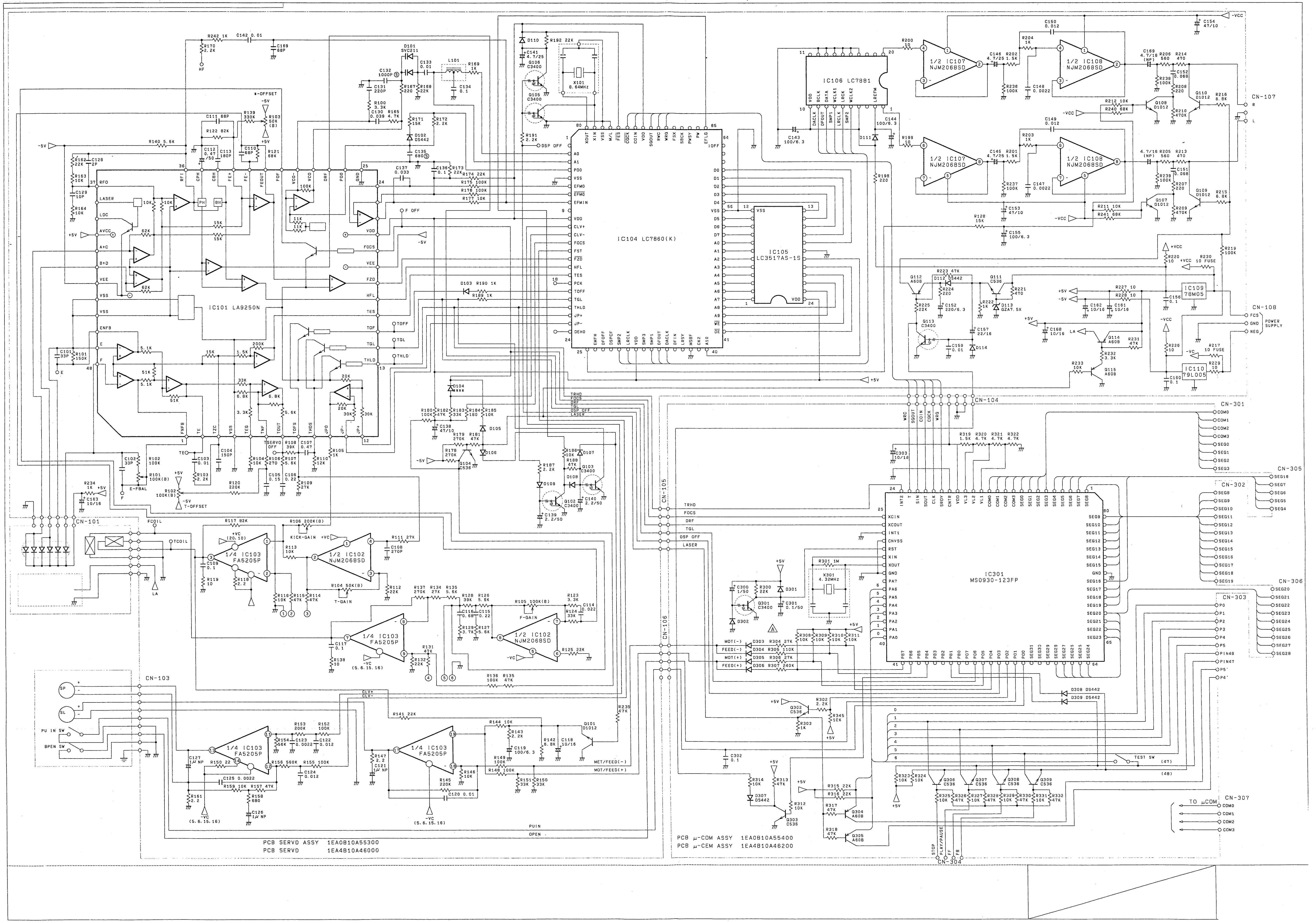
Löschspannung: ca. 130 Vss

Vormagnetisierung: ca. 30 Vss

Schaltbild CD-Hauptplatine MIDI 2264/2270
Schematic diagram Main P.C.B. MIDI 2264/2270

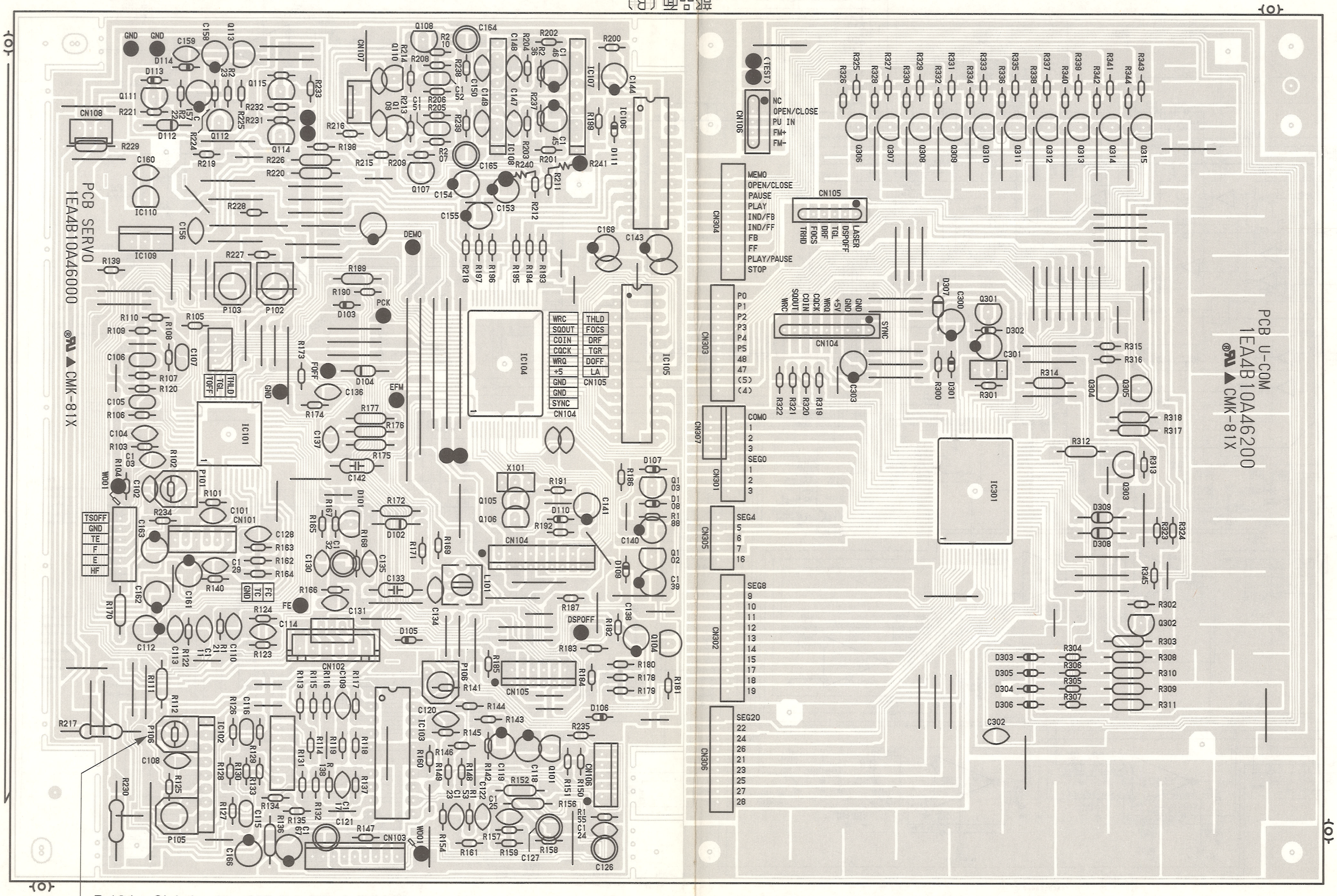

IC101 LA9250N
IC102 NJM2068SD
IC103 FA5205P
IC104 LC7860(K)
IC105 LC3517AS-15
IC106 LC7881
IC107 NJM2068SD
IC108 NJM2068SD
IC109 78M05
IC110 79L005
IC301 MS0930-123FP
X101 8.64MHz
X301 4.32MHz
CN-101
CN-103
CN-104
CN-105
CN-106
CN-107
CN-108
CN-301
CN-302
CN-303
CN-304
CN-305
CN-306
CN-307
POWER SUPPLY
TO μCOM
TEST SW
KICK-GAIN
T-GAIN
F-GAIN
T-OFFSET
E-FBAL
PU IN SW
8PEN SW
STOP
PLAY/PAUSE
FF
FB
PCB SERVO ASSY 1EA0B10A55300
PCB SERVO 1EA4B10A46000
PCB μ-COM ASSY 1EA0B10A55400
PCB μ-CEM ASSY 1EA4B10A46200

Schaltbild CD-Hauptplatine MIDI 2264/2270
Schematic diagram Main P.C.B. MIDI 2264/2270


IC101 LA9250N
IC104 LC7860(K)
IC105 LC3517AS-15
IC106 LC7881
1/2 IC107 NJM2068SD
1/2 IC108 NJM2068SD
1/4 IC103 FA5205P
1/2 IC102 NJM2068SD
IC109 78M05
IC110 79L005
IC301 M50930-123FP
X101 8.64MHz
X301 4.32MHz
CN-101
CN-103
CN-104
CN-105
CN-106
CN-107
CN-108
CN-301
CN-302
CN-303
CN-304
CN-305
CN-306
CN-307
POWER SUPPLY
TO µCOM
TEST SW
PCB SERVD ASSY 1EA0B10A55300
PCB SERVD 1EA4B10A46000
PCB µ-COM ASSY 1EA0B10A55400
PCB µ-CEM ASSY 1EA4B10A46200

Platinendarstellung CD Hauptplatine MIDI 2264/2270

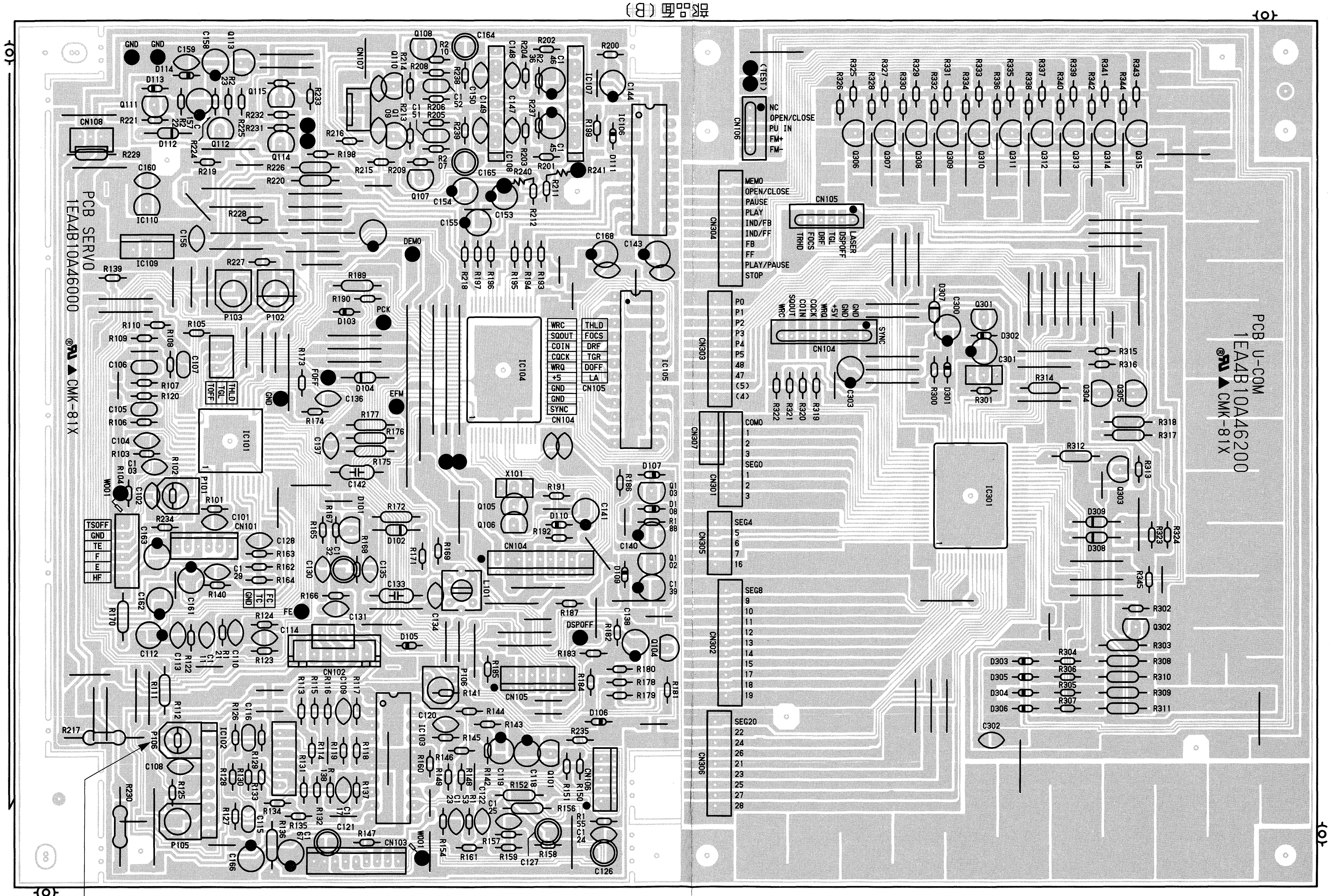
CD Main P.C.B. MIDI 2264/2270


PCB SERVO
1EA4B10A46000
CMK-81X
PCB U-COM
1EA4B10A46200
CMK-81X
(TEST)
NC
OPEN/CLOSE
PU IN
FM+
FM-
MEMO
OPEN/CLOSE
PAUSE
PLAY
IND/FB
IND/FF
FB
FF
PLAY/PAUSE
STOP
LASER
DSPOFF
TGL
DRF
FOCS
THRD
SYNC
WRC
SQOUT
COIN
CQCK
WRQ
+5V
GND
GND
WRC
SQOUT
COIN
CQCK
WRQ
+5
GND
GND
SYNC
THLD
FOCS
DRF
TGR
DOFF
LA
TSOFF
GND
TE
F
E
HF
DEMO
PCK
FOFF
EFM
FE
DSPOFF
GND
COMO
SEG0
SEG4
SEG8
SEG20
IC101
IC104
IC105
IC301
CN104
CN105
CN106
CN108
CN301
CN302
CN303
CN304
CN305
CN306
CN307

P 104 – Siebdruck auf Platine falsch (50 kΩ)
P 104 – Screen printing on PCB is wrong (50 kΩ)

Platinendarstellung CD Hauptplatine MIDI 2264/2270

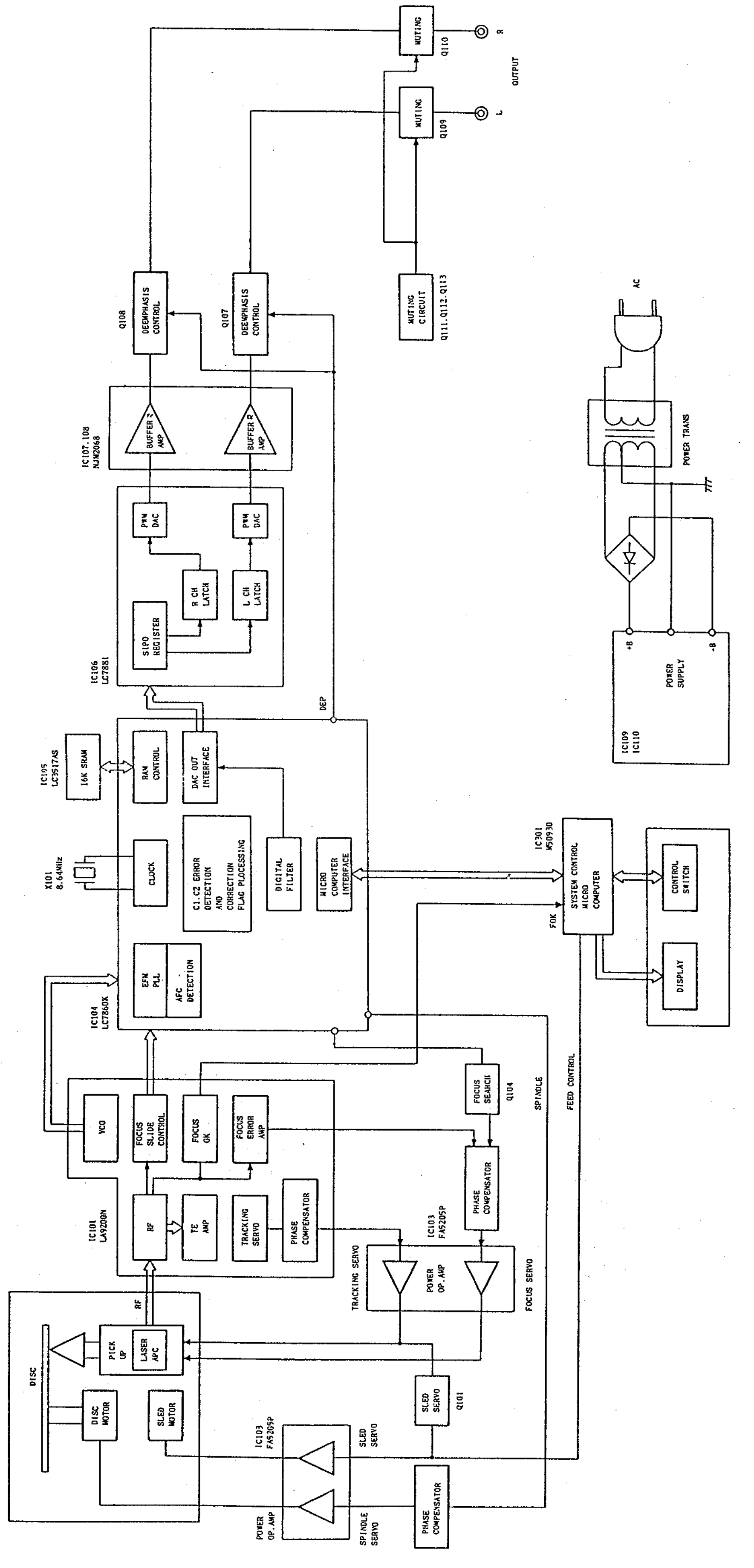
CD Main P.C.B. MIDI 2264/2270


PCB SERVO
1EA4B10A46000
CMK-81X
PCB U-COM
1EA4B10A46200
CMK-81X
IC101
IC102
IC103
IC104
IC105
IC106
IC107
IC108
IC109
IC110
IC301
CN101
CN102
CN103
CN104
CN105
CN106
CN107
CN108
CN301
CN302
CN303
CN304
CN305
CN306
CN307
P101
P102
P103
P105
P106
X101
L101
GND
DEMO
PCK
EFM
FOFF
FE
DSPOFF
TSOFF
TE
F
E
HF
WRC
SQOUT
COIN
CQCK
WRQ
+5
SYNC
THLD
FOCS
DRF
TGR
DOFF
LA
TEST
NC
OPEN/CLOSE
PU IN
FM+
FM-
MEMO
PAUSE
PLAY
IND/FB
IND/FF
FB
FF
PLAY/PAUSE
STOP
LASER
TRHD
P0
P1
P2
P3
P4
P5
COMO
SEG0
SEG4
SEG8
SEG20

P 104 – Siebdruck auf Platine falsch (50 kΩ)

P 104 – Screen printing on PCB is wrong (50 kΩ)

Blockschaltbild CD
Functional block diagram CD


MUTING
Q110
R
OUTPUT
MUTING
Q109
L
MUTING CIRCUIT
Q111.Q112.Q113
AC
POWER TRANS
Q108
DEEMPHASIS CONTROL
Q107
DEEMPHASIS CONTROL
IC107.108
NJM2068
BUFFER AMP
BUFFER AMP
PWM DAC
PWM DAC
R CH LATCH
L CH LATCH
SIPO REGISTER
IC106
LC7881
+B
POWER SUPPLY
-B
IC109
IC110
DEP
IC105
LC3517AS
16K SRAM
RAM CONTROL
DAC OUT INTERFACE
X101
8.64MHz
CLOCK
C1.C2 ERROR DETECTION AND CORRECTION FLAG PROCESSING
DIGITAL FILTER
MICRO COMPUTER INTERFACE
IC301
M50930
SYSTEM CONTROL MICRO COMPUTER
FOK
CONTROL SWITCH
DISPLAY
IC104
LC7860K
EFM PLL
AFC DETECTION
SPINDLE
FEED CONTROL
FOCUS SEARCH
Q104
VCO
FOCUS SLIDE CONTROL
FOCUS OK
FOCUS ERROR AMP
PHASE COMPENSATOR
IC101
LA9200N
RF
TE AMP
TRACKING SERVO
PHASE COMPENSATOR
IC103
FA5205P
TRACKING SERVO
POWER OP.AMP
FOCUS SERVO
RF
DISC
PICK UP
LASER APC
DISC MOTOR
SLED MOTOR
MECHANISM UNIT
SLED SERVO
Q101
IC103
FA5205P
SLED SERVO
POWER OP.AMP
SPINDLE SERVO
PHASE COMPENSATOR

Abgleichanweisung CD Spieler

Benötigte Meßgeräte:
-Frequenzzähler
-Test CD Philips 5A
-Oszilloskop
-DC Voltmeter

Frequenzabgleich

1. TP DSPOFF (bzw. Drahtbrücke zwischen DSPOFF und R 182) mit Masse verbinden.
2. Frequenzzähler an TP PCK (IC 104 Pin 18) und Masse anschließen.
3. Mit Spule L101 auf 4,3218 MHz ± 10 kHz abgleichen.
4. Verbindung DSPOFF mit Masse lösen.

Fokusabweichung

1. TP FOFF (bzw. Kathode von D 104) und Masse verbinden.
2. Entweder Oszilloskop oder DC Voltmeter (hohe Eingangsimpedanz) zwischen TP FC (Steckverbinder CN 102) und Masse anschließen.
3. Mit P103 auf 0V ± 10mV abgleichen.
4. Verbindung FOFF mit Masse lösen.

Spurabweichung

1. TP TOFF (bzw. Kathode von D 103) und Masse verbinden.
2. Entweder Oszilloskop oder DC Voltmeter zwischen TP TC (Steckverbinder CN 102) und Masse anschließen.
3. Mit P102 auf +170 - 200 mV abgleichen.
4. Verbindung TOFF mit Masse lösen.

EF-Balance-Abgleich

1. CD-Platte einlegen und Play-Taste drücken.
2. Oszilloskop an TP HF (bzw. an R 170, Anschluß neben TP HF) und Masse anschließen.
3. HF-Signal mit P101 auf Maximum abgleichen.

Alignment procedure CD player

Instruments required:
-Frequency counter
-Test disk Philips 5A
-Oscilloscope
-DC voltmeter

VCO frequency adjustment

1. Connect TP DSPOFF (or wire connector between TP and R 182) to ground.
2. Connect frequency counter to TP PCK (IC 104 pin 18) and ground.
3. Adjust L101 so that the value of the frequency counter comes within 4,3218 MHz ±10kHz.
4. Disconnect DSPOFF and ground.

Focus offset adjustment

1. Connect TP FOFF (or cathode of D104) and ground.
2. Connect either an oscilloscope or a DC voltmeter(high impedance type) between TP FC (Connector CN 102) and ground.
3. Adjust P103 until the voltage comes to 0V ±10mV.
4. Disconnect FOFF and ground.

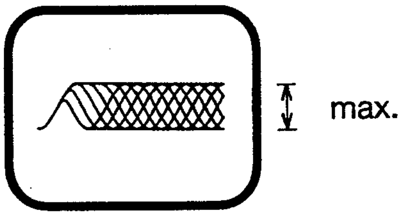
Tracking offset adjustment

1. Connect TP TOFF (or cathode of D103) and ground.
2. Connect either an oscilloscope or a DC voltmeter(high impedance type) between TP TC (Connector CN 102) and ground.
3. Adjust P102 until the voltage comes within +170 - 200 mV.
4. Disconnect TOFF and ground.

EF-Balance adjustment

1. Load a disk and play back.
2. Connect an oscilloscope to TP HF (or R170, junction near TP HF) and ground.
3. Adjust P101 so that the HF-Signal becomes maximum.

The screen of oscilloscope



ca. 2,5 Vss mit Test CD Philips 5A

Fokus-Servo-Verstärkung

(Einstellung von Fokus und Spurführungsverstärkung P104, P105, P106).
Für genauen Abgleich ist ein Servo-Analysator erforderlich. Jedoch besteht bei Normalbetrieb auch dann keine Schwierigkeit, wenn eine geringe Abweichung von den zulässigen Werten auftritt, da die Verstärkung in einem gewissen Bereich variieren kann.
Deswegen sollte dieser Abgleich nicht ausgeführt werden. Mit der Fokus- und Servoverstärkung werden Nachführeigenschaften des Abtasters bei mechanischen Erschütterungen und Stößen während des Betriebs beeinflußt.

about 2,5 Vpp with Testdisk Philips 5A

Focus servo gain adjustment

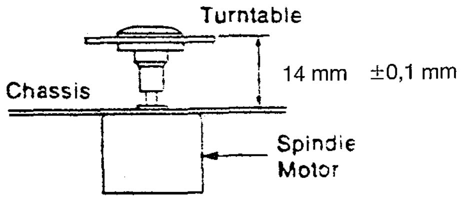
(Focus/Tracking-gain adjustment P104, P105, P106).
A servo-analyzer is required for accurate adjustment. However, there will be no problem in normal operation even in case of a minor drift from precise adjustment because the gain has an allowable margin.
Therefore, do not apply this adjustment.
The Focus/Tracking-gain determines the tracking property of the pick-up against the mechanical noise and mechanical shock during the operation.

Antriebstellerhöhe

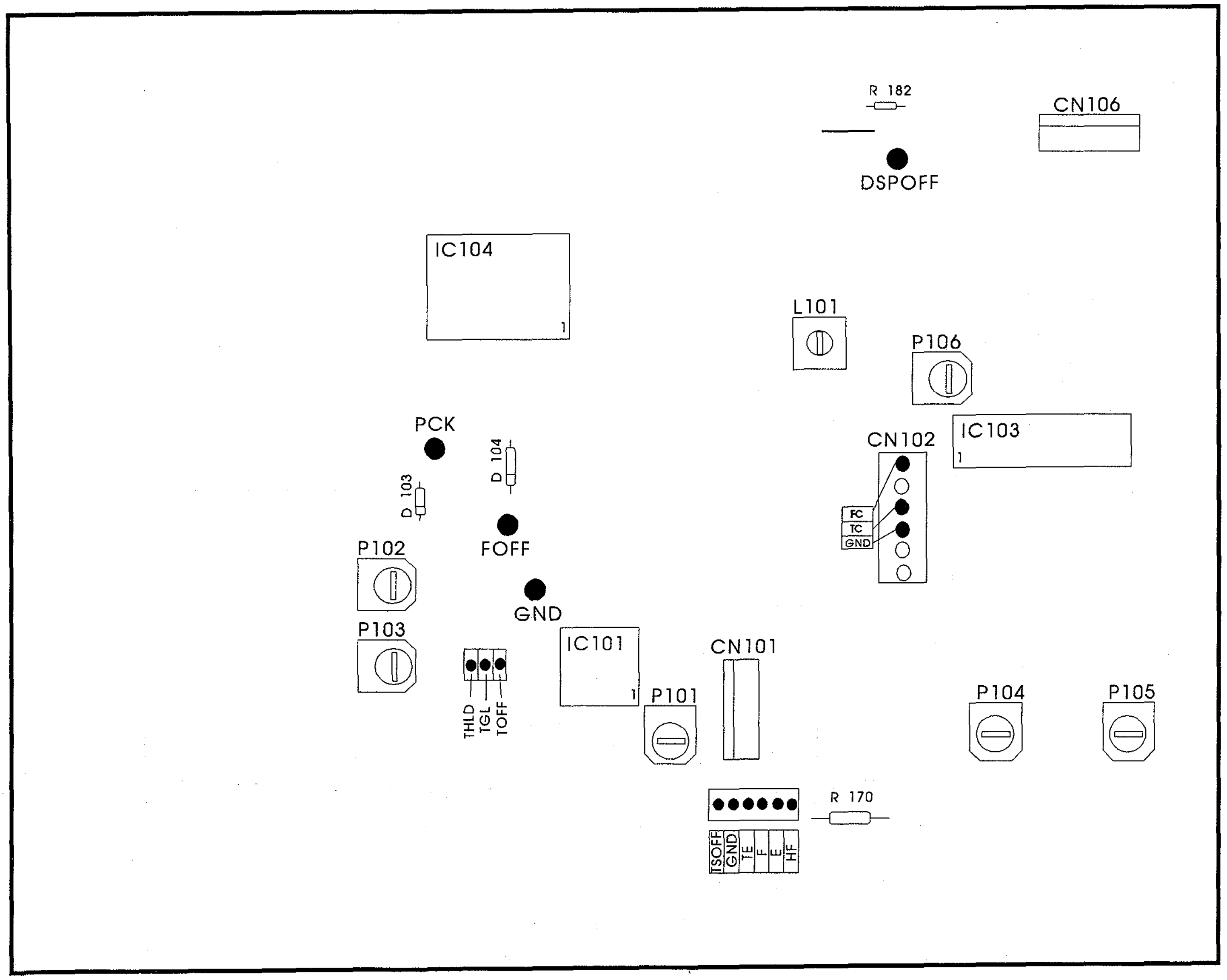
Diese Einstellung ist notwendig, wenn der Antriebstellermotor gewechselt wird.
Der Antriebsteller muß so befestigt werden, daß der Abstand zwischen Oberkante Teller und Chassis 14,00 mm ±0,1 mm beträgt.

Adjustment of turntable height

This adjustment must be performed when the Spindle Motor is replaced.
The turntable should be mounted so that its upper surface is 14,00 mm ±0,1 mm above the surface of the chassis.


Turntable
Chassis
14 mm ±0,1 mm
Spindle Motor

Abgleichpunkte
Adjustment locations


R 182
CN106
DSPOFF
IC104
1
L101
P106
PCK
D 104
D 103
CN102
IC103
1
FC
TC
GND
P102
FOFF
GND
P103
IC101
1
CN101
P101
P104
P105
THLD
TGL
TOFF
R 170
TSOFF
GND
TE
F
E
HF

IC Spannungstabelle CD
IC voltage assertions CD

CDKM87CP

		IC PIN NUMBERS DC VOLTAGES																			
Ref.No.	DEVICE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
IC101	LA9200N	0V	0V	0.3V	0V	0V	0V	0V	0V	0V	0V	0.6V	0.6V	0V	4.9V	4.4V	4.3V	4.2V	4.2V	-5.6V	2.4V
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
		5.0V	2.7V	2.3V	2.3V	0V	2.4V	0V	2.5V	2.4V	0V	0V	0.6V	0.6V	0V	-0.2V	0V	0V	10.0V	4.5V	5.9V
		41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		0V	0V	-5.6V	0V	0V	0V	0V	0V	-	-	-	-	-	-	-	-	-	-	-	-

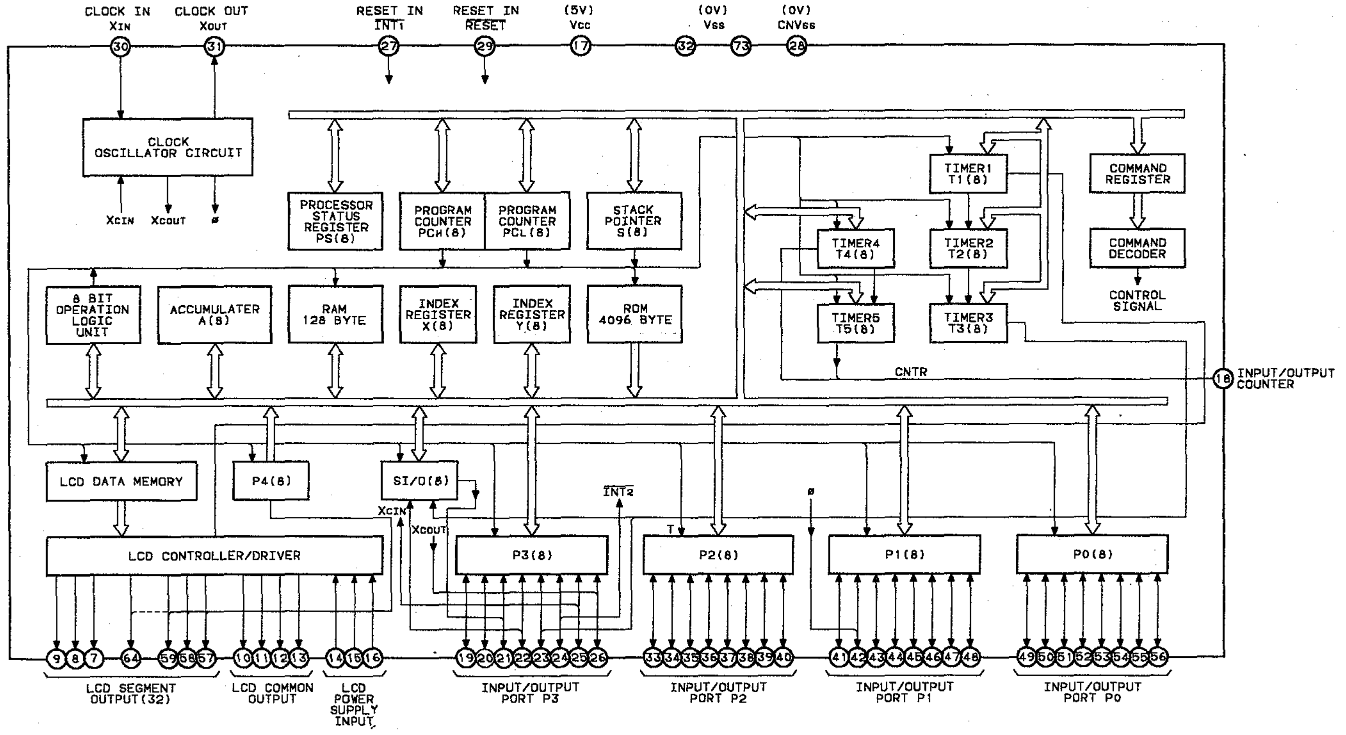
		IC PIN NUMBERS DC VOLTAGES																			
Ref.No.	DEVICE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
IC104	LC7860K	0V	2.6V	2.6V	2.4V	0V	2.4V	2.2V	2.7V	0V	5.0V	0.8V	0V	0.2V	0.2V	4.2V	4.2V	4.3V	0V	2.7V	4.9V
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
		0V	0.6V	0.6V	0V	0V	0V	1.1V	0V	5.0V	5.0V	5.0V	0V	5.0V	5.0V	0V	0V	5.0V	0V	0V	5.0V
		41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		5.0V	5.0V	0V	0V	5.0V	5.0V	5.0V	5.0V	0V	5.0V	5.0V	0V	0.8V	0.8V	0.8V	0V	2.4V	2.4V	2.4V	2.4V
		61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
		2.4V	0.6V	0.6V	0.6V	0V	5.0V	0V	0.7V	0V	0V	0V	5.0V	5.0V	0V	5.0V	0V	0V	0V	0V	5.0V

		IC PIN NUMBERS DC VOLTAGES																			
Ref.No.	DEVICE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
IC106	LC7881	2.6V	5.2V	0V	5.2V	5.0V	5.0V	5.0V	0V	0V	5.2V	2.5V	0V	0V	0V	0V	0V	0V	3.5V	0V	2.6V
IC103	FA5205P	0V	0V	0V	-8.5V	-8.5V	-8.5VV	0V	0V	0V	8.5V	0V	0V	0V	-8.7V	-8.7V	-8.7V	0V	0V	0V	8.5V
IC107	NJM2068S	5V	2.1V	2.1V	2.1V	-5V	2.1V	2.1V	5V												
IC108	NJM2068S	5V	0V	0V	0V	-5V	0V	0V	0V												
IC109	78M05	12.5V	0V	5.0V																	
IC213	79L005	0V	9V	-5V																	
IC105	LC3517AS	5.0V	5.0V	5.0V	5.0V	0V	5.0V	5.0V	0V	0.8V	0.8V	0.8V	0V	2.4V	2.4V	2.4V	2.4V	2.4V	0V	5.0V	5.0V
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
		5.0V	0V	0V	5.0V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		IC PIN NUMBERS DC VOLTAGES																			
Ref.No.	DEVICE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
IC301	M50930	0V	2.4V	2.4V	2.4V	2.4V	2.4V	2.4V	2.4V	2.4V	2.4V	2.4V	2.4V	2.4V	1.6V	3.2V	4.9V	5.0V	0.2V	0V	5.0V
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	37	39	40
		0V	0V	0V	0V	0V	0V	0.6V	0V	5.0V	2.2V	1.9V	0V	5.0V	5.0V	5.0V	5.0V	5.0V	5.0V	5.0V	4.9V
		41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		0V	0V	4.9V	4.9V	0V	0V	4.7V	4.8V	4.9V	4.9V	0V	0V	4.9V	4.8V	5.0V	0V	2.4V	2.4V	2.4V	2.4V
		61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
		0V	2.4V	2.4V	2.4V	0.8V	2.4V	0.8V	2.4V	2.4V	2.4V	2.4V	2.4V	0V	2.4V	2.4V	2.4V	2.4V	2.4V	2.4V	2.4V

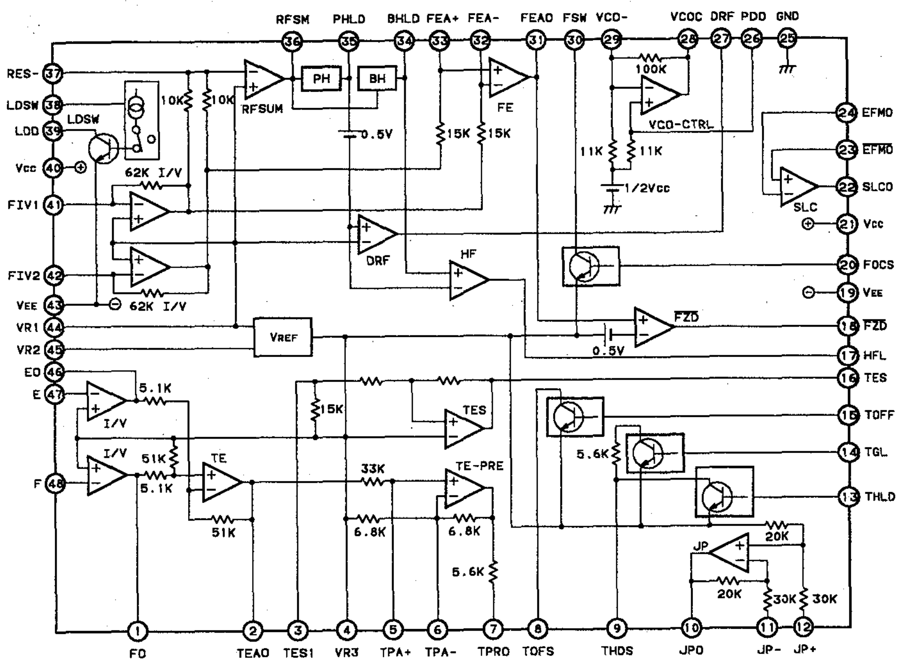
IC Blockschaltbilder CD
IC block diagrams CD

M50930-123FP BLOCK DIAGRAM

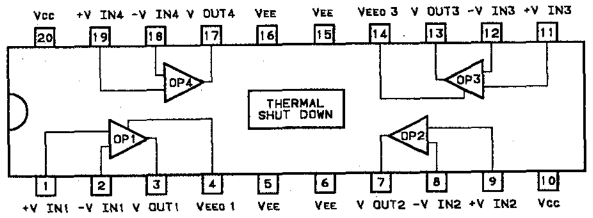

CLOCK IN XIN 30
CLOCK OUT XOUT 31
RESET IN INT1 27
RESET IN RESET 29
(5V) Vcc 17
(0V) Vss 32 73
(0V) CNVss 28
CLOCK OSCILLATOR CIRCUIT
XCIN XCOUT ø
PROCESSOR STATUS REGISTER PS(8)
PROGRAM COUNTER PCH(8)
PROGRAM COUNTER PCL(8)
STACK POINTER S(8)
TIMER1 T1(8)
TIMER2 T2(8)
TIMER3 T3(8)
TIMER4 T4(8)
TIMER5 T5(8)
COMMAND REGISTER
COMMAND DECODER
CONTROL SIGNAL
8 BIT OPERATION LOGIC UNIT
ACCUMULATER A(8)
RAM 128 BYTE
INDEX REGISTER X(8)
INDEX REGISTER Y(8)
ROM 4096 BYTE
CNTR
18 INPUT/OUTPUT COUNTER
LCD DATA MEMORY
P4(8)
SI/O(8)
XCIN
XCOUT
INT2
T
ø
LCD CONTROLLER/DRIVER
P3(8)
P2(8)
P1(8)
P0(8)
9 8 7 64 59 58 57
10 11 12 13
14 15 16
19 20 21 22 23 24 25 26
33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48
49 50 51 52 53 54 55 56
LCD SEGMENT OUTPUT(32)
LCD COMMON OUTPUT
LCD POWER SUPPLY INPUT
INPUT/OUTPUT PORT P3
INPUT/OUTPUT PORT P2
INPUT/OUTPUT PORT P1
INPUT/OUTPUT PORT P0

IC Blockschaltbilder CD
IC block diagrams CD

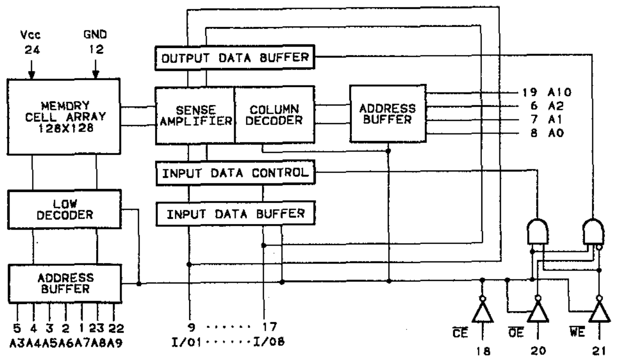
LA9200NM


RFSM
PHLD
BHLD
FEA+
FEA-
FEAO
FSW
VCO-
VCOC
DRF
PDO
GND
RES-
LDSW
LDD
Vcc
FIV1
FIV2
VEE
VR1
VR2
EO
E
F
EFMO
SLCO
Vcc
FOCS
VEE
FZD
HFL
TES
TOFF
TGL
THLD
FO
TEAO
TES1
VR3
TPA+
TPA-
TPRO
TOFS
THDS
JPO
JP-
JP+
RFSUM
PH
BH
FE
DRF
HF
VREF
FZD
TES
TE
TE-PRE
I/V
SLC
VCO-CTRL
1/2Vcc
JP

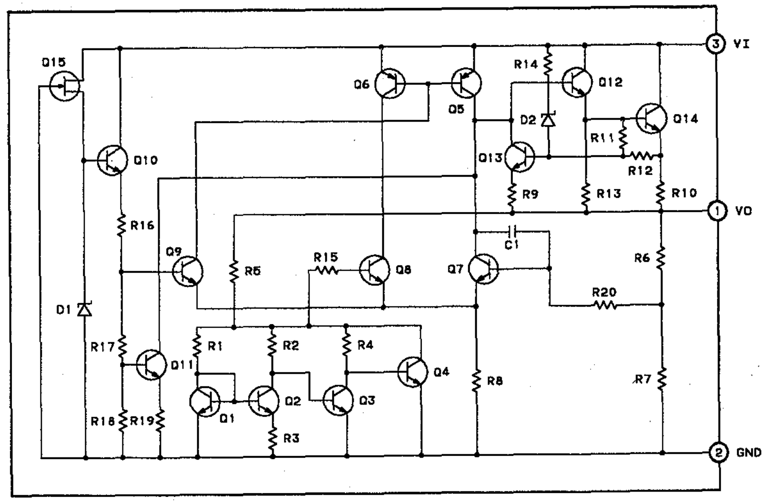
FA5205P

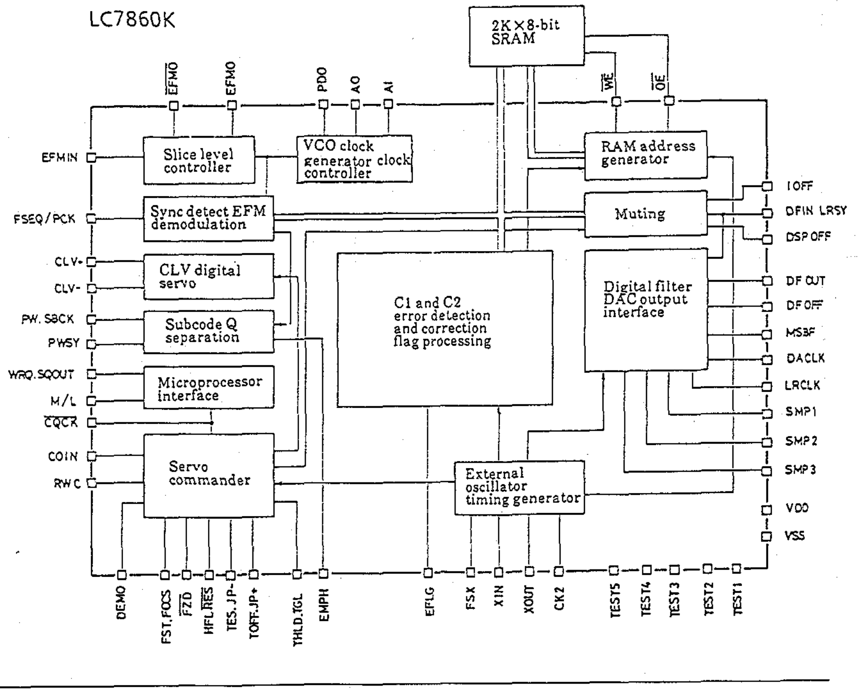

Vcc
+V IN4
-V IN4
V OUT4
VEE
VEE
VEEO 3
V OUT3
-V IN3
+V IN3
OP4
OP3
OP1
OP2
THERMAL SHUT DOWN
+V IN1
-V IN1
V OUT1
VEEO 1
VCC
VEE
V OUT2
-V IN2
+V IN2
Vcc

LC3517BS-15

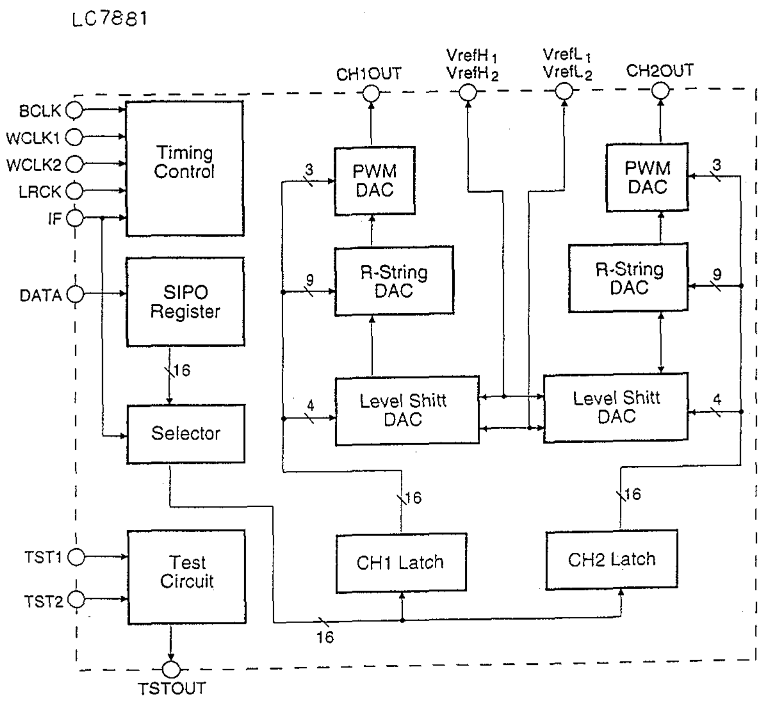

Vcc 24
GND 12
MEMORY CELL ARRAY 128X128
OUTPUT DATA BUFFER
SENSE AMPLIFIER
COLUMN DECODER
ADDRESS BUFFER
INPUT DATA CONTROL
LOW DECODER
INPUT DATA BUFFER
ADDRESS BUFFER
19 A10
6 A2
7 A1
8 A0
5 4 3 2 1 23 22
A3A4A5A6A7A8A9
9 17
I/01 ...... I/08
CE 18
OE 20
WE 21

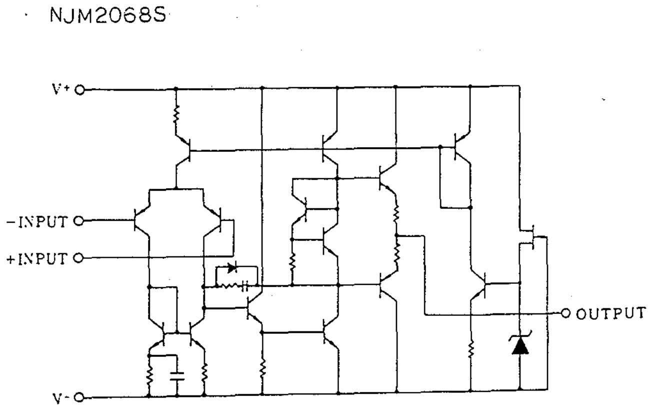
NJM78M05A


Q15
Q10
R16
D1
R17
R18
R19
Q9
Q11
R5
R1
Q1
R2
Q2
R3
R4
Q3
Q4
R15
Q8
Q6
Q5
Q7
C1
R14
Q12
D2
Q13
R11
R12
Q14
R9
R13
R10
R6
R20
R8
R7
VI
VO
GND


LC7860K
2K×8-bit SRAM
EFMO
EFMO
PDO
AO
AI
WE
OE
EFMIN
FSEQ/PCK
CLV+
CLV-
PW, SBCK
PWSY
WRQ, SQOUT
M/L
CQCK
COIN
RWC
Slice level controller
VCO clock generator clock controller
Sync detect EFM demodulation
CLV digital servo
Subcode Q separation
Microprocessor interface
Servo commander
C1 and C2 error detection and correction flag processing
RAM address generator
Muting
Digital filter DAC output interface
External oscillator timing generator
IOFF
DFIN LRSY
DSP OFF
DF OUT
DF OFF
MSBF
DACLK
LRCLK
SMP1
SMP2
SMP3
VDD
VSS
DEMO
FST, FOCS
FZD
HFL, RES
TES, JP-
TOFF, JP+
THLD, TGL
EMPH
EFLG
FSX
XIN
XOUT
CK2
TEST5
TEST4
TEST3
TEST2
TEST1

IC Blockschaltbilder CD
IC block diagrams CD

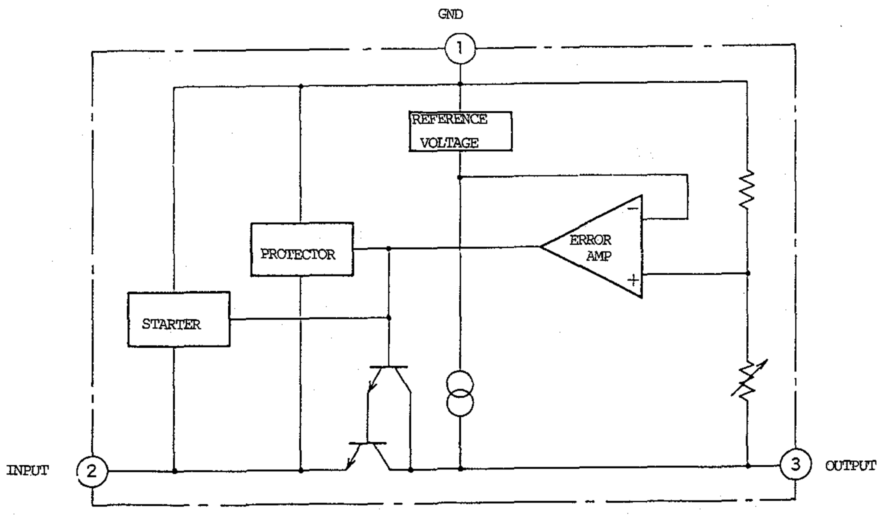

LC7881
BCLK
WCLK1
WCLK2
LRCK
IF
DATA
TST1
TST2
TSTOUT
CH1OUT
VrefH1
VrefH2
VrefL1
VrefL2
CH2OUT
Timing Control
SIPO Register
Selector
Test Circuit
PWM DAC
R-String DAC
Level Shitt DAC
CH1 Latch
PWM DAC
R-String DAC
Level Shitt DAC
CH2 Latch
3
9
4
16
16
16
16
3
9
4


NJM2068S
V+
-INPUT
+INPUT
V-
OUTPUT

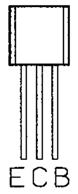
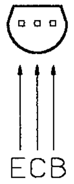
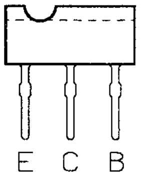
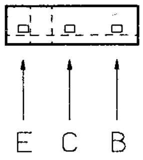
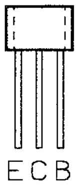
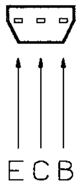
M5279LXX
└ VALUE FOR OUTPUT VOLTAGE

TYPE NO.	MARKING	OUTPUT VOLTAGE
M5279L05	79L05	5V
M5279L06	79L06	6V
M5279L09	79L09	9V
M5279L12	79L12	12V
M5279L15	79L15	15V

BLOCK DIAGRAM

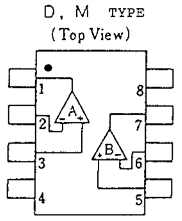

GND
1
REFERENCE VOLTAGE
PROTECTOR
ERROR AMP
STARTER
INPUT
2
3
OUTPUT

IC- und Transistor-Anschlußbelegung CD
IC and transistor pin location CD

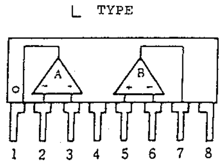
TRANSISTOR	FRONT VIEW	BOTTOM VIEW	TRANSISTOR	FRONT VIEW	BOTTOM VIEW
2SA608 2SC536			DTA144		
2SC3400 2SC3860 2SD1012					

TERMINAL NAME
B → BASE C → COLLECTOR E → EMITTER

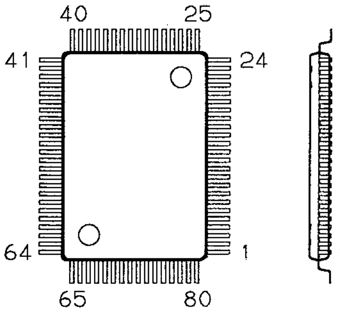
NJM 2068 S


D, M TYPE
(Top View)
1
2
3
4
8
7
6
5
A
B

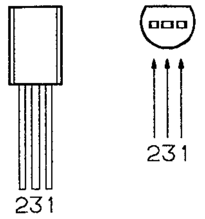
1. A OUTPUT
2. A−INPUT
3. A+INPUT
4. V⁻
5. B+INPUT
6. B−INPUT
7. B OUTPUT
8. V⁺


L TYPE
A
B
1
2
3
4
5
6
7
8

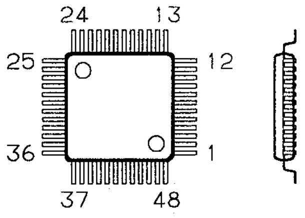
LC7860J TOP/SIDE VIEWS
M50930-123FP TOP/SIDE VIEWS


40
25
41
24
64
1
65
80

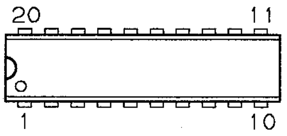
TA78L006AP FRONT/BOTTOM VIEWS
TA79L006P FRONT/BOTTOM VIEWS



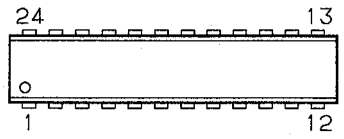
LA9200NM TOP/SIDE VIEWS


24
13
25
12
36
1
37
48

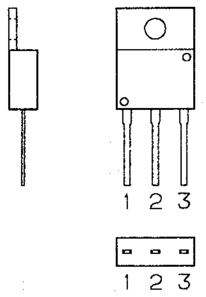
FA5205P TOP VIEW
LC7880 TOP VIEW



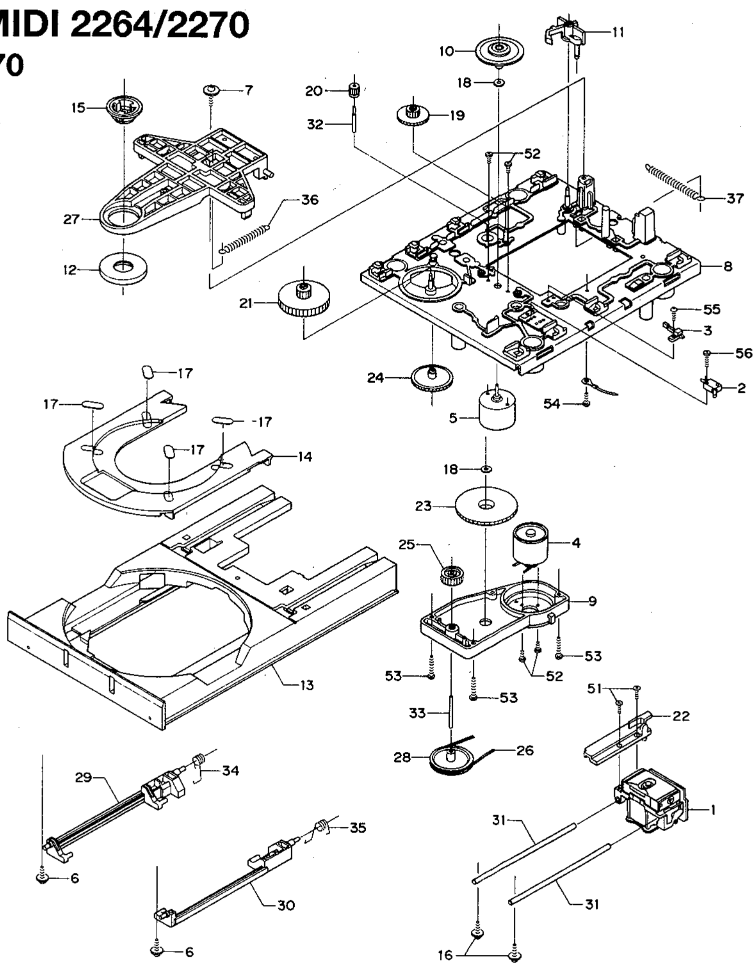
LC3517BS-15 TOP VIEW



NJM78M05A TOP/SIDE VIEWS



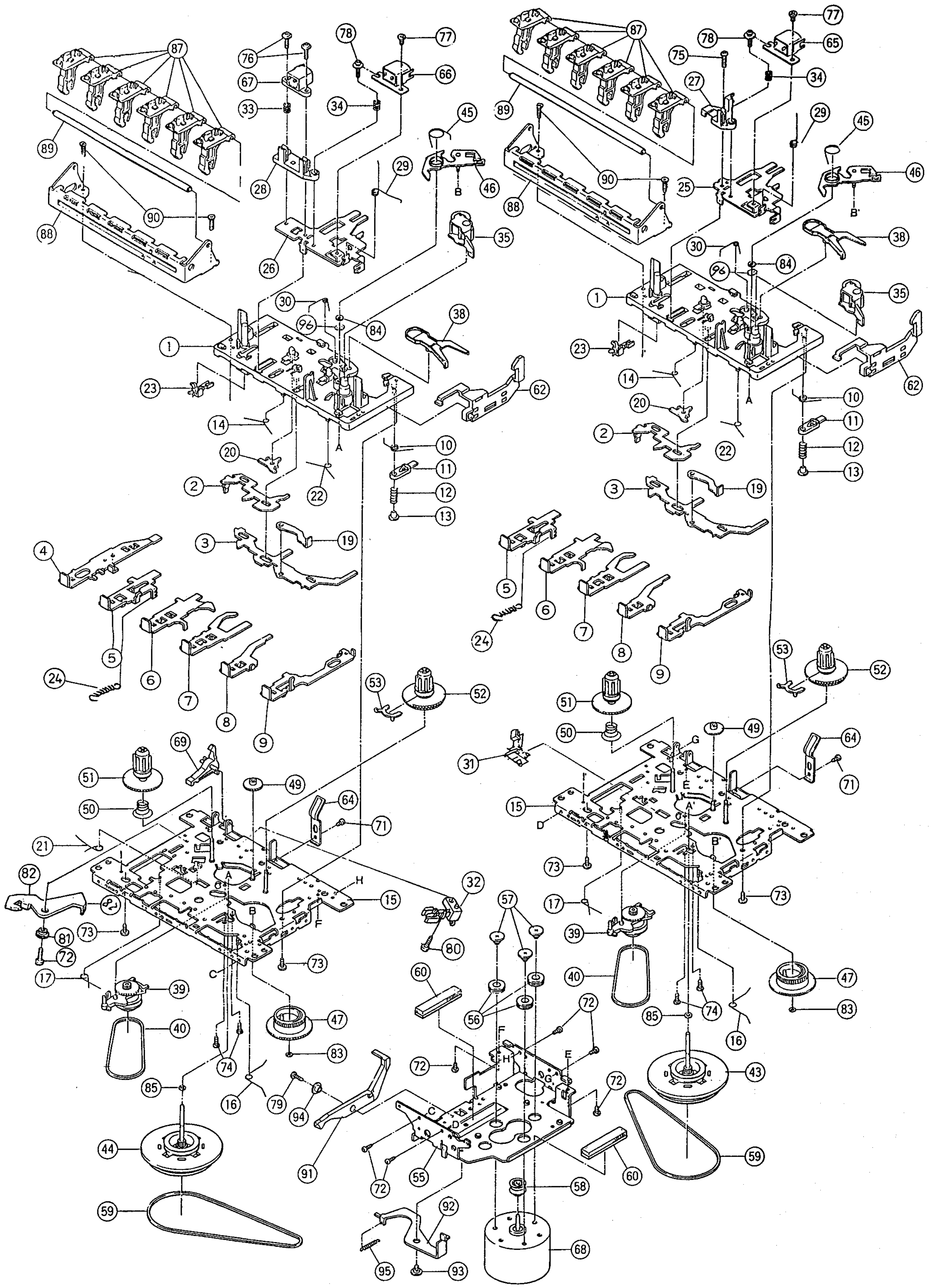
Explosionsdarstellung CD-Mechanik MIDI 2264/2270
Exploded view CD mechanism MIDI 2264/2270



Ersatzteilliste CD-Spieler MIDI 2264/2270
Spare parts list CD player MIDI 2264/2270

Bestell-Nr./ Part.-No.	Bezeichnung	Description	Position	Preisgruppe/ Price-key
65 542 00	CD-Mechanik	CD mechanism		F 5
65 541 00	CD-Hauptplatine	CD main P.C.B.		G 0
65 794 00	Laserabtaster kpl.	Pickup assembly	CD 1	F 1
60 336 00	Schalter (Hebel)	Lever switch 1 pit	CD 2	A 8
60 337 00	Mikroschalter	Leaf switch	CD 3	A 8
60 338 00	Motor Laser + Schlitten	Motor	CD 4	C 6
60 339 00	Motor Disk	Motor	CD 5	C 6
60 340 00	Antriebsteller	Turntable assembly	CD 10	B 3
60 341 00	Rasthebel für Laser	Arm assembly	CD 11	A 8
60 342 00	Niederhalter kpl.	Flap disc cramp assembly	CD 12 + 15 + 27	C 1
60 343 00	Schlitten kpl.	Table CD assembly	CD 13, 14, 17, 29, 30 + 34	D 1
60 344 00	Zahnrad Laser	Gear pickup	CD 19	A 3
60 345 00	Zahnrad	Gear motor	CD 20	A 3
60 346 00	Zahnrad Schlitten	Gear table load	CD 21	A 4
60 347 00	Zahnschiene Laser	Gear pickup rack	CD 22	A 4
60 348 00	Zahnrad Lademechanik groß	Gear load up	CD 23	A 6
60 349 00	Zahnrad Ledemechanik klein	Gear load T. L.	CD 24	A 4
60 350 00	Zahnrad Pulley	Gear	CD 25	A 4
60 351 00	Riemen	Belt	CD 26	A 6
60 352 00	Pulley	Pulley	CD 28	A 4
60 353 00	Gleitstange Laser	Shaft pickup	CD 31	A 9
60 354 00	Feder Niederhalter	Spring flap disc cramp	CD 36	A 3
60 355 00	Feder Rasthebel Laser	Spring arm	CD 37	A 3
48 407 00	IC LA 9200 NM	IC LA 9200 NM	IC 101	C 6
48 411 00	IC NJM 2068 S-D	IC NJM 2068 S-D	IC 102, 107 + 108	A 9
60 357 00	IC FA 5205 P	IC FA 5205 P	IC 103	C 7
48 408 00	IC LC 7860 K	IC LC 7860 K	IC 104	D 9
45 036 00	IC LC 3517 BS-15	IC LC 3517 BS-15	IC 105	C 0
45 316 00	IC LC 7881	IC LC 7881	IC 106	C 5
65 795 00	IC NJM 78 M 05 A	IC NJM 78 M 05 A	IC 109	B 3
65 796 00	IC M 5279 L 05	IC M 5279 L 05	IC 110	B 2
60 358 00	IC M 50930-123 FP	IC M 50930-123 FP	IC 301	D 6
40 366 00	Transistor 2 SD 1012-G-SPA	Transistor 2 SD 1012-G-SPA	Q 107-110	A 3
48 415 00	Transistor 2 SC 3400	Transistor 2 SC 3400	Q 102, 103, 105, 106 + 113	A 2
65 797 00	Transistor 2 SC 536-G-NP-AA	Transistor 2 SC 536 G-NP-AA	Q 104, 306, 311, 302+ 303	A 3
21 312 00	Transistor 2 SA 608-F-NP	Transistor 2 SA 608-F-NP	Q 112, 114, 115, 304 + 305	A 4
65 798 00	Oszillator 4,32 M	Ceramic oscillator 4.32 M	X 301	B 2

Explosionsdarstellung Cassettenmechanik MIDI 2264/2270
Exploded view cassette mechanism MIDI 2264/2270



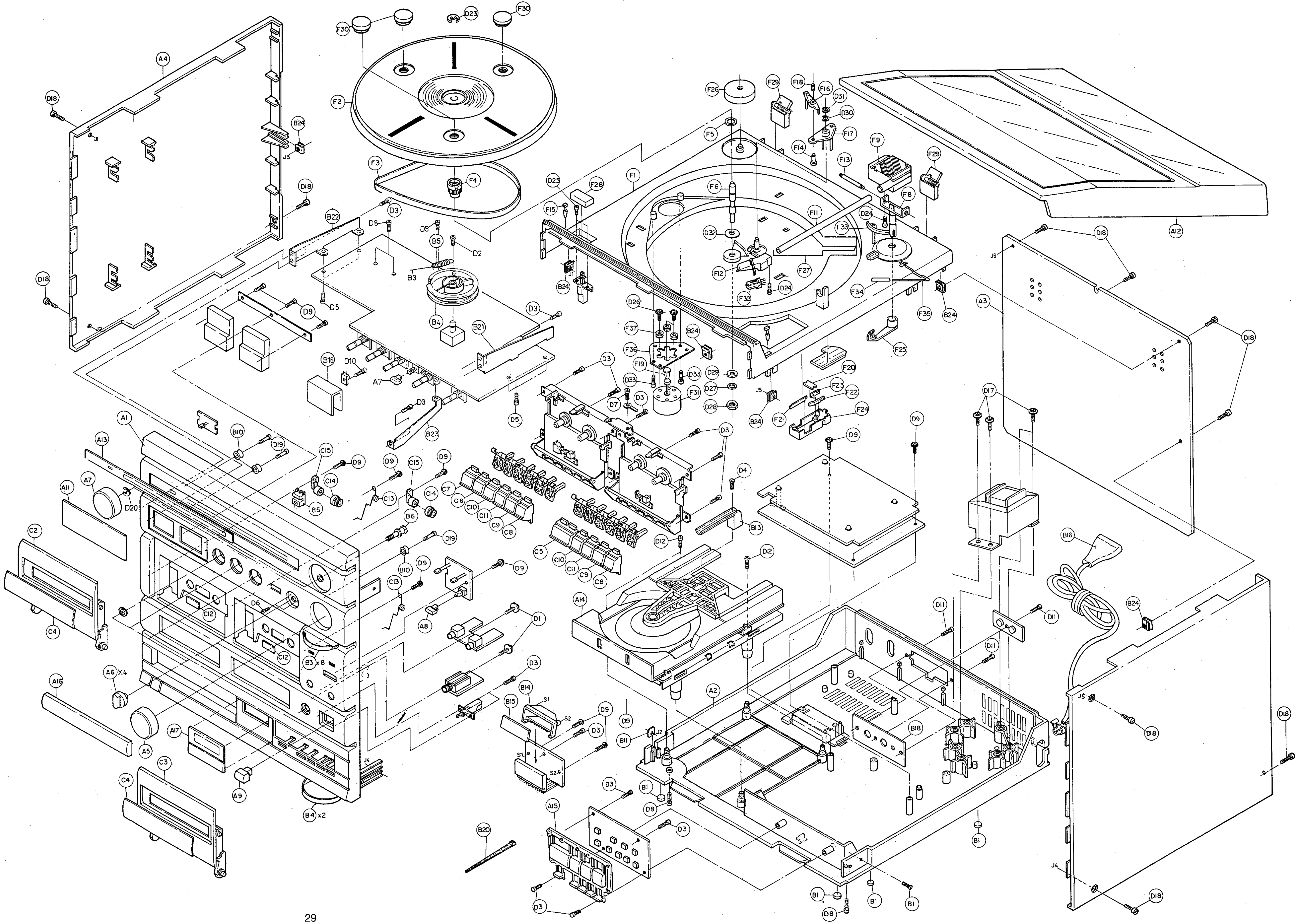
Ersatzteilliste Gehäuse MIDI 2264
Spare parts list housing MIDI 2264

Bestell-Nr./ Part.-No.	Bezeichnung	Description	Position	Preisgruppe/ Price-key
65 475 00	Frontblende Midi 2264	Front panel	A 1	C 8
65 781 00	Gehäuseboden	Bottom chassis	A 2	C 3
65 544 00	Rückwand	Back board	A 3	B 2
65 782 00	Gehäuseseitenteil	Side panel	A 4	B 9
65 424 00	Drehknopf Volumen	VR knob	A 5	A 3
65 426 00	Drehknopf Balance	Balance knob	A 6	A 1
65 425 00	Drehknopf Tuning	Tuning knob	A 7	A 3
46 807 00	Drehknopf Hi-Speed/Mono Stereo	Hi-Speed/Mono Stereo knob	A 8	A 1
65 423 00	Netzschalterknopf	Power knob	A 9	A 2
65 483 00	Knopf Schieberegler	EQ VR knob	A 10	A 0
65 477 00	Abdeckfenster, LED Meter	LED meter window	A 11	A 6
65 478 00	Abdeckfenster Skala	Dial window	A 13	A 5
65 344 00	Tastensatz CD	CD preset button assembly	A 15	A 5
65 484 00	Abdeckblende CD-Schlitten	CD door	A 16	A 5
65 476 00	Abdeckfenster CD-Display	CD LCD window	A 17	A 8
65 437 00	Skalenanzeiger ohne LED	Dial pointer	B 5	A 1
65 421 00	Abstimmachse	Tuning shaft	B 6	A 1
65 799 00	Skalenseil	Dial string	B 7	A 2
65 436 00	Abstimmrad	Dial drum	B 8	A 3
29 899 00	Feder Abstimmrad	Dial drum spring	B 9	A 0
65 793 00	LCD-Anzeige CD kpl.	LCD display assembly	B 14 + 15	C 2
65 434 00	Kassettenfach (A)	Cass. case (A)	C 2	B 3
65 435 00	Kassettenfach (B)	Cass. case (B)	C 3	B 3
65 783 00	Kassettenfach Fenster	Cass. window	C 4	A 8
65 427 00	Klaviertaste Play (A)	Cass. key (A)	C 5	A 2
65 428 00	Klaviertaste Play (B)	Cass. key (B)	C 6	A 1
65 429 00	Klaviertaste Record	Cass. key (Rec.)	C 7	A 1
65 430 00	Klaviertaste Pause	Cass. key (Pause)	C 8	A 1
65 431 00	Klaviertaste Stop	Cass. key (Stop)	C 9	A 1
65 432 00	Klaviertaste Rewind	Cass. key (Rew.)	C 10	A 1
65 433 00	Klaviertaste Forward	Cass. key (F.F.)	C 11	A 1
65 420 00	Feder Kassettenfach	Cass. open spring	C 13	A 1
65 422 00	Dämpfer Kassettenfach + C 14	Cass. damper + C 14	C 15	A 2
37 813 00	Scharnier kpl.	SHS hinge assembly	F 29	B 0
65 539 00	Abdeckhaube	Dust cover	A 12	C 3

Ersatzteilliste Cassettenmechanik MIDI 2264/2270
Spare parts list cassette mechanism MIDI 2264/2270

Bestell-Nr./ Part.-No.	Bezeichnung	Description	Position	Preisgruppe/ Price-key
65 773 00	Cassettenmechanik kpl.	Mechanism assembly	C 1	E 3
44 128 00	Feder Pauserasthebel	P control spring	CM 10	A 0
46 417 00	Pauserasthebel	Pause lever	CM 11	A 0
46 130 00	Druckfeder Pauserasthebel	Pause lever spring	CM 12	A 0
44 131 00	Sicherungsstöpsel Pause	Pause Stopper	CM 13	A 0
32 428 00	Feder Tastenhebel (Vor-, Rücklauf)	Button lever spring (A)	CM 14	A 3
46 864 00	Feder Aufnahmetaste	Rec. button lever spring	CM 21	A 0
32 423 00	Feder Tastenhebel (Stop, Pause)	Button lever spring (B)	CM 22	A 3
44 132 00	Mikroschalter MSW-1541 T	Leaf switch MSW-1541 T	CM 23	A 4
32 425 00	Feder Starthebel	Play button lever spring	CM 24	A 3
45 760 00	Feder Kopfträgerplatte	Panel P spring	CM 29	A 1
44 133 00	Mikroschalter MSW 17820 MVDO	Play SW MSW 17820 MVDO	CM 31	A 7
32 432 00	Feder Löschkopf	E-head spring	CM 33	A 3
32 435 00	Feder A/W-Kopf	Azimuth spring	CM 34	A 3
44 134 00	Bandandruckrolle kpl.	Pinch roller arm assembly	CM 35	A 6
44 135 00	Tasthebel Endabschaltung	Sensing lever	CM 38	A 1
44 137 00	Rutschkupplung kpl.	RF clutch assembly	CM 39	A 7
44 138 00	Riemen Rutschkupplung	RF belt	CM 40	A 4
46 866 00	Schwungmasse Play	Flywheel assembly	CM 43	B 7
46 865 00	Schwungmasse Record/Play	Flywheel assembly	CM 44	B 7
44 136 00	Kurvenzahnrad	Cam gear	CM 47	A 2
44 140 00	Zahnrad Vorlauf	FF gear	CM 49	A 1
44 319 00	Feder Wickelteller links	Back tension spring	CM 50	A 0
44 141 00	Wickelteller links	Supply reel assembly	CM 51	A 3
44 142 00	Wickelteller rechts	Takeup reel assembly	CM 52	A 4
46 436 00	Spange Wickelteller	Sensor	CM 53	A 1
32 453 00	Gummipuffer Motor	Motor rubber	CM 56	A 2
32 454 00	Schraube Motor	Motor collar screw	CM 57	A 2
44 778 00	Pulley	Motor pulley	CM 58	A 6
60 678 00	Antriebsriemen	Main belt	CM 59	A 7
46 418 00	Gleithebel Eject	Eject slide lever	CM 62	A 3
32 459 00	Cassettenandruckfeder	Pack spring	CM 64	A 5
65 774 00	Wiedergabekopf	P. head	CM 65	B 8
65 775 00	A/W-Kopf	R. P. head	CM 66	B 8
65 776 00	Löschkopf	E. head	CM 67	B 1
65 777 00	Motor	Motor	CM 68	C 4
32 451 00	Aufnahmesperrhebel	Record safety lever	CM 69	A 5
65 320 00	Tastenhebel	Operation lever	CM 87	A 2
65 321 00	Tastenrahmen mit Achse	Button frame (S)	CM 88	A 7

Explosionsdarstellung Gehäuse MIDI 2270
Exploded view housing MIDI 2270


F30
D23
F30
F30
A4
D18
F2
B24
J1
J3
F26
F29
F18
F16
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F5
F17
F14
F9
F13
F29
A12
F3
F4
D25
F28
F1
F6
F8
D18
D18
D3
D8
D5
D2
B22
B5
B3
F15
F11
D24
F33
D32
F12
F27
J1
B24
D24
F32
F34
F35
B24
A3
J6
D18
D18
D9
D5
B4
D3
B21
D26
F37
F36
B24
F19
D33
D33
F31
D29
D27
D28
J5
B24
F21
F20
F23
F22
F24
J2
B16
D10
A7
D3
D3
D7
D3
D5
B23
A1
B10
D19
A13
C15
D9
D9
C15
D9
C14
C7
C13
C6
C10
C11
C9
C8
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A11
A7
D20
B6
C14
D17
D9
D9
D3
D4
B13
D12
C5
C10
C11
C9
C8
D12
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C2
D19
B10
D9
D9
C13
C12
D6
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A14
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C4
C12
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A6 X4
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D3
B14
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S2
B15
D9
D3
A2
D9
B11
J2
B18
J5
D18
D18
A5
A17
C3
C4
A9
J4
B4 x2
S1
S2
D3
B1
D8
A15
D3
B20
B1
J4
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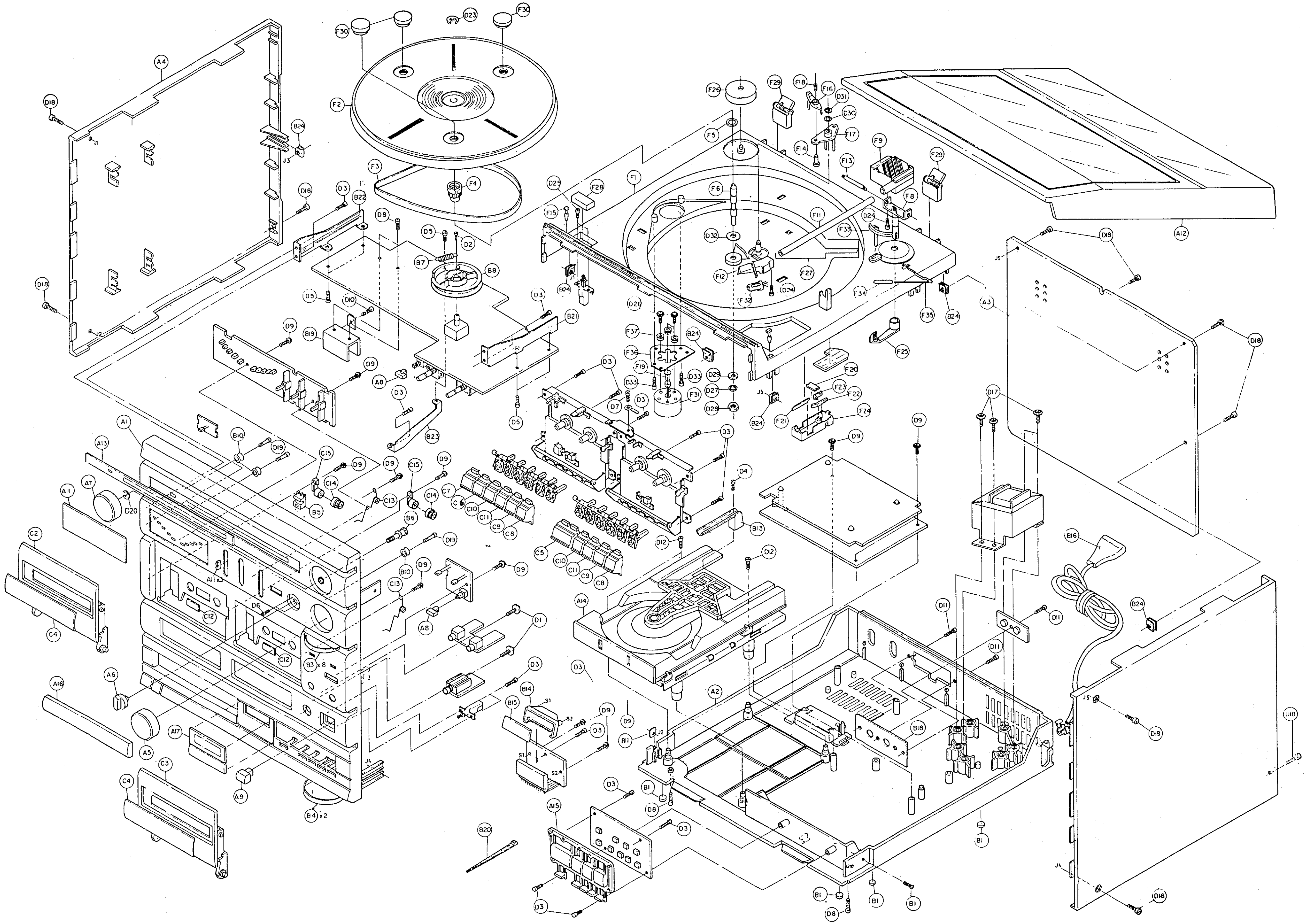
B1
D3
B1
D8
D3

Explosionsdarstellung Gehäuse MIDI 2264
Exploded view housing MIDI 2264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D2
B7
B8
D18
D5
D10
B19
D9
D9
A8
D3
B23
D5
D3
B21
F26
F29
F18
F16
D31
D30
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D32
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F27
F32
D24
B24
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B6
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A8
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B14
B15
S1
S2
D9
D3
D9
B11
J2
A2
B18
J5
D18
D18
A17
A5
J4
S1
S2
C3
C4
A9
B4 x2
D3
B1
D8
A15
D3
B20
B1
B1
B1
B1
D8
J4
D3
D18

Ersatzteilliste Gehäuse MIDI 2270
Spare parts list housing MIDI 2270

Bestell-Nr./ Part.-No.	Bezeichnung	Description	Position	Preisgruppe/ Price-key
65 486 00	Frontblende Midi 2270	Front panel	A 1	C 8
65 781 00	Gehäuseunterteil	Bottom chassis	A 2	C 3
65 544 00	Rückwand	Back board	A 3	B 2
65 543 00	Gehäuseseitenteil	Side panel	A 4	B 8
65 424 00	Drehknopf Volumen	VR knob	A 5	A 3
65 426 00	Drehknopf Funktion	Functions knob	A 6	A 1
65 425 00	Drehknopf Tuning	Tuning knob	A 7	A 3
65 423 00	Netzschalterknopf	Power knob	A 9	A 2
46 807 00	Dubbing-Taste	Dubbing button	A 10	A 1
65 455 00	Anzeigeinstrument	Power Meter		C 3
65 487 00	Abdeckfenster Power Meter	Meter window	A 11	A 5
65 478 00	Abdeckfenster Skala	Dial window	A 13	A 5
65 344 00	Tastensatz CD	CD preset button assembly	A 15	A 5
65 484 00	Abdeckblende CD-Schlitten	CD door	A 16	A 5
65 476 00	Abdeckfenster CD-Display	CD LCD window	A 17	A 8
65 437 00	Skalenanzeiger ohne LED	Dial pointer	B 5	A 1
65 421 00	Abstimmachse	Tuning shaft	B 6	A 1
65 799 00	Skalenseil	Dial string	B 7	A 2
65 436 00	Abstimmrad	Dial drum	B 8	A 3
29 899 00	Feder Abstimmrad	Dial drum spring	B 9	A 0
65 793 00	LCD-Anzeige kpl. CD	LCD display assembly	B 14 + 15	C 2
65 434 00	Kassettenfach (A)	Cass. case (A)	C 2	B 3
65 435 00	Kassettenfach (B)	Cass. case (B)	C 3	B 3
65 783 00	Kassettenfachfenster	Cass. window	C 4	A 8
65 427 00	Klaviertaste Play (A)	Cass. key (A)	C 5	A 2
65 428 00	Klaviertaste Play (B)	Cass. key (B)	C 6	A 1
65 429 00	Klaviertaste Record	Cass. key (Rec.)	C 7	A 1
65 430 00	Klaviertaste Pause	Cass. key (Pause)	C 8	A 1
65 431 00	Klaviertaste Stop/Eject	Cass. key (Stop/Eject)	C 9	A 1
65 432 00	Klaviertaste Rewind	Cass. key (Rew.)	C 10	A 1
65 433 00	Klaviertaste Forward	Cass. key (F. F.)	C 11	A 1
65 420 00	Feder Kassettenfach	Cass. open spring	C 13	A 1
65 422 00	Dämpfer Kassettenfach + C 14	Cass. damper + C 14	C 15	A 2
37 813 00	Scharnier kpl.	SHS hinge assembly	F 29	B 0
65 539 00	Abdeckhaube	Dust cover	A 12	C 3

Ersatzteilliste Plattenspieler MIDI 2264/2270
Spare parts list player MIDI 2264/2270

Bestell-Nr./ Part.-No.	Bezeichnung	Description	Position	Preisgruppe/ Price-key
65 791 00	Gehäuseoberteil	Player board	F 1	C 1
46 420 00	Plattenteller	Turntable	F 2	C 0
24 025 00	Antriebsriemen	Belt motor	F 3	B 2
40 833 00	Endschalthülse Plattenteller	Pinion	F 4	A 3
40 823 00	Plattentellerachse	Spindle TT	F 6	A 6
46 426 00	Tonarm kpl.	Tonearm assembly	F 8-13	C 3
44 780 00	Endschalthebel kpl.	Stop plate assembly	F 14-18	B 2
46 421 00	Motorpulley	Motor pulley	F 19	A 3
40 830 00	Motorschalter kpl.	Switch motor assembly	F 20-24	A 7
40 831 00	Tonarmhebel	Control lever	F 25	A 3
03 460 00	Plattenpuck	45 rpm adaptor	F 26	A 2
69 792 00	Endschaltstange	Trip lever	F 27	A 1
37 979 00	Taste 33/45	Speed change knob	F 28	A 3
46 422 00	Auflagegummi Plattenteller	Gum cushion	F 30	A 2
46 423 00	Motor	Motor	F 31	C 5
46 424 00	System	Cartridge	F 32	C 0
46 425 00	Abtastnadel	Stylus		B 7
46 181 00	Tonarmlift	Lifter tonearm	F 33	A 2
46 182 00	Knopf Lifthebel	Cue knob	F 34	A 1
46 183 00	Lifthebel	Cue rod 2 C	F 35	A 2
21 403 00	Motorbefestigung	Gum bush	F 37	A 2
29 937 00	Sicherungsring Plattenteller	E ring	D 23	A 0
37 977 00	Druckschalter	Push switch		A 7

Bitte bei Ersatzteilbestellung die genaue Bezeichnung und **Ident-Nr. (siehe Typenschild)** des Gerätes sowie Bestell-Nummer und Positions-Nummer des Ersatzteils angeben.

For ordering of spare parts please state exact description and **ident.-no. of unit (see silver rating label on the backside of unit)** as well as part no. and position no. of required spare parts.

Benutzen Sie:

☎ Bildschirmtext ∗ 317298 #

oder

Telefax: 08245/51326

Technische Änderungen vorbehalten.
Technical modifications reserved.